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jan.delaval@uspto.gov

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FILE 'REGISTRY' ENTERED AT 09:14:49 ON 24 APR 2002
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STRUCTURE FILE UPDATES: 22 APR 2002 HIGHEST RN 406672-48-8
DICTIONARY FILE UPDATES: 22 APR 2002 HIGHEST RN 406672-48-8

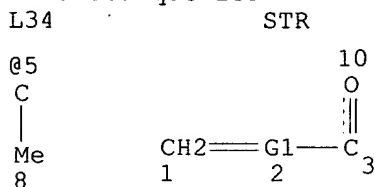
TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d sta que 139



VAR G1=CH/5

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE

L35 79010 SEA FILE=REGISTRY ABB=ON PLU=ON C2H4O
L36 45804 SEA FILE=REGISTRY ABB=ON PLU=ON C3H6O
L37 108520 SEA FILE=REGISTRY ABB=ON PLU=ON (L35 OR L36)
L39 29523 SEA FILE=REGISTRY SUB=L37 SSS FUL L34

100.0% PROCESSED 39768 ITERATIONS
SEARCH TIME: 00.00.02

29523 ANSWERS

=> d his

(FILE 'HOME' ENTERED AT 07:31:19 ON 24 APR 2002)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 07:31:35 ON 24 APR 2002

E MOSBEY D/AU
L1 2 S E4
E ELAN G/AU
E EIAN G/AU
L2 25 S E4-E6
E SCHOLZ M/AU
L3 230 S E3, E23, E25, E27, E29

L4 E MALLO R/AU
 4 S E3,E4,E6
 E LU L/AU
 L5 345 S E3-E24
 E LU LING/AU
 L6 192 S E3-E30
 E 3M/PA,CS
 L7 3018 S E3,E4
 L8 126 S (3 M)/PA,CS
 L9 4150 S (MINN?(L)MIN?(L)MFG?)/PA,CS
 L10 2981 S (MINN?(L)MIN?(L)MANUF?)/PA,CS
 L11 11006 S L1-L10
 L12 723 S L11 AND ?EMULS?
 E EMULSION/CT
 E E35+ALL
 L13 35532 S E3+NT
 E E24+ALL
 L14 2442 S E7+NT
 E E9+ALL
 L15 15849 S E4+NT
 L16 213 S L13-L15 AND L11
 L17 723 S L12,L16
 L18 6 S L17 AND (PEG OR PPG)
 L19 22 S L17 AND (?ETHYLENEOXIDE? OR ?ETHYLENEGLYCOL? OR ?OXYETHYLENE?
 L20 58 S L17 AND (?ETHYLENE OXIDE? OR ?ETHYLENE GLYCOL? OR POLYOXY ETH
 L21 75 S L18-L20
 L22 5 S L21 AND COSMETIC#/SC,SX,CW,BI
 L23 162 S L17 AND ?VINYL?
 L24 431 S L7 AND ?ACRYL?
 L25 16 S L23,L24 AND L21
 L26 7 S L25 AND ?ISOOCTYL?
 L27 0 S L25 AND ?STEARYL?
 L28 1 S L25 AND ?STEAR?
 L29 8 S L25 NOT L26,L28
 SEL RN L26

FILE 'REGISTRY' ENTERED AT 07:42:48 ON 24 APR 2002

L30 80 S E1-E80
 L31 23 S L30 AND C2H4O
 L32 3 S L30 AND C3H6O
 L33 25 S L31,L32
 L34 STR
 L35 79010 S C2H4O
 L36 45804 S C3H6O
 L37 108520 S L35,L36
 L38 50 S L34 SAM SUB=L37
 L39 29523 S L34 FUL SUB=L37
 L40 STR L34
 L41 50 S L40 CSS SAM SUB=L39
 L42 18618 S L40 CSS FUL SUB=L39
 L43 14893 S L35 AND L42
 L44 14630 S L39 NOT L43
 L45 14 S L30 AND L39
 L46 1 S 187284-17-9
 L47 1 S 188308-96-5
 E (C2H4O)NC4H6O2/MF
 L48 5 S E3
 L49 2 S L48 AND PROPENYL
 L50 1 S 25736-86-1
 L51 1 S 29590-42-9
 L52 1 S 26403-58-7
 E C11H20O2/MF
 L53 3927 S E3

L54 35 S L53 AND 2 PROPENOIC AND ESTER
 E STEARYL METHACRYLATE/CN
 L55 1 S E2
 L56 1 S 32360-05-7
 L57 954 S 29590-42-9/CRN
 L58 3571 S 32360-05-7/CRN
 L59 1372 S 25736-86-1/CRN
 L60 404 S 26403-58-7/CRN
 L61 8 S L57 AND L58
 L62 35 S L57 AND L59, L60
 L63 24 S L58 AND L59, L60
 L64 0 S L61 AND L62, L63
 L65 0 S L62 AND L63
 L66 1 S L61 AND 2/NC
 L67 59 S L62, L63
 L68 3 S L57 AND HOMOPOLYMER
 L69 1 S L68 AND 1/NC
 L70 14 S L58 AND HOMOPOLYMER
 L71 2 S L70 AND 1/NC
 L72 9 S L59, L60 AND HOMOPOLYMER
 L73 2 S L72 AND 1/NC
 L74 1 S 25322-68-3
 L75 1 S 25322-69-4
 L76 5 S 181946-91-8 OR 126925-06-2 OR 125227-17-0 OR 106392-12-5 OR 9
 L77 11 S L45 AND L57
 L78 0 S L45 AND L58
 L79 0 S L45 AND L59
 L80 8 S L45 AND L60
 L81 12 S L77, L80
 L82 2 S L45 NOT L81
 L83 1 S L82 NOT C6/ES
 L84 13 S L81, L83

FILE 'HCAPLUS' ENTERED AT 08:45:14 ON 24 APR 2002

L85 26 S L84
 L86 2 S L66
 L87 462 S L51 OR L69 OR L71
 L88 732 S ?ISOOCTYL ACRYL?
 L89 20 S ?ISOOCTYLACRYL?
 L90 1069 S L87-L89
 L91 685 S L56 OR L71
 L92 1352 S ?STEARYL METHACRYL? OR ?STEARYL METH ACRYL? OR ?STEARYLMETHAC
 L93 1715 S L91, L92
 L94 590 S L50 OR L52 OR L73
 L95 15 S ?ETHYLENEGLYCOL MONOACRYL? OR ?ETHYLENEOXIDE MONOACRYL? OR ?O
 L96 370 S ?ETHYLENEGLYCOL ACRYL? OR ?ETHYLENEOXIDE ACRYL? OR ?OXYETHYLE
 L97 44 S ?ETHYLENEGLYCOL MONOMETHYACRYL? OR ?ETHYLENEOXIDE MONOMETHACR
 L98 431 S ?ETHYLENEGLYCOL METHYACRYL? OR ?ETHYLENEOXIDE METHACRYL? OR ?
 L99 122 S ?ETHYLENE GLYCOL METHYACRYL? OR ?ETHYLENE OXIDE METHACRYL?
 L100 15 S ?ETHYLENE GLYCOL MONOMETHYACRYL? OR ?ETHYLENE OXIDE MONOMETHA
 L101 955 S ?ETHYLENE GLYCOL ACRYL? OR ?ETHYLENE OXIDE ACRYL?
 L102 309 S ?ETHYLENE GLYCOL MONOACRYL? OR ?ETHYLENE OXIDE MONOACRYL?
 L103 357 S (POLYETHYLENEGLYCOL OR POLYETHYLENEOXIDE OR POLYOXYETHYLENE) (
 L104 1026 S POLYETHYLENE() (GLYCOL OR OXIDE) () (METHACRL? OR MONOMETHACRYL?
 L105 139 S POLY()ETHYLENE() (GLYCOL OR OXIDE) () (METHACRL? OR MONOMETHACRY
 L106 3 S POLY() (ETHYLENEGLYCOL OR ETHYLENEOXIDE) () (METHACRL? OR MONOME
 L107 35 S BLEMMER PE 200
 L108 1 S BLEMMER PE200
 L109 2808 S L94-L108
 L110 326 S L90 AND L93
 L111 2 S L110 AND L109
 L112 11 S L110 AND L74, L75, L76
 L113 40 S L85, L86, L111, L112

L114 7 S L113 AND ?EMULS?
L115 1 S L113 AND L13-L15
L116 7 S L114,L115
L117 528 S L11 AND L85,L86,L90,L93,L109
L118 6 S L117 AND L13-L15
L119 50 S L117 AND ?EMULS?
L120 45 S L113,L116,L118
L121 12 S L119 AND L120
L122 38 S L119 NOT L120,L121
L123 4 S L122 AND L74,L75,L76
L124 49 S L120,L121,L123
L125 16 S L124 AND ?EMULS?
L126 16 S L125 AND L1-L29,L85-L125
L127 2 S L126 AND (RADIATION/SC OR WOOD)
L128 14 S L126 NOT L127
L129 33 S L124 NOT L125-L128
L130 24 S L129 NOT (63 OR 38)/SC
L131 7 S L130 AND (37 OR 35 OR 5)/SC
SEL DN 3 6
L132 2 S E1-E2
L133 16 S L128,L132
L134 9 S L129 NOT L130
L135 25 S L133,L134 AND L1-L29,L85-L134
L136 25 S L135 AND (?ACRYL? OR ?OXYALKYLENE? OR ?ETHYLENEOXIDE? OR ?ETH
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 09:10:27 ON 24 APR 2002

L137 22 S E3-E24
L138 29509 S L39 NOT L137

FILE 'HCAPLUS' ENTERED AT 09:12:20 ON 24 APR 2002

L139 13 S L138 AND L136
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 09:12:49 ON 24 APR 2002

L140 54 S E25-E93 NOT L137

FILE 'HCA, HCAPLUS' ENTERED AT 09:13:52 ON 24 APR 2002

FILE 'HCAPLUS' ENTERED AT 09:14:12 ON 24 APR 2002

L141 25 S L136,L139

FILE 'REGISTRY' ENTERED AT 09:14:49 ON 24 APR 2002

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 09:15:08 ON 24 APR 2002

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FILE LAST UPDATED: 22 Apr 2002 (20020422/ED)

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=> d 1141 bib abs hitstr tot

L141 ANSWER 1 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 2002:90137 HCAPLUS

DN 136:135925

TI Foams containing functionalized metal oxide nanoparticles and methods of making same

IN Thunhorst, Kristin L.; Hanggi, Douglas A.

PA 3M Innovative Properties Company, USA

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA English

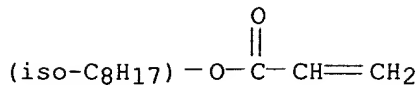
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|--|----------|-----------------|----------|
| PI | WO 2002008321 | A1 | 20020131 | WO 2000-US31400 | 20001115 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| | US 6353037 | B1 | 20020305 | US 2000-614574 | 20000712 |
| | US 2002022672 | A1 | 20020221 | US 2001-911230 | 20010723 |
| PRAI | US 2000-614574 | A | 20000712 | | |
| AB | The invention discloses methods for making foams comprising functionalized metal oxide (e.g., silica) nanoparticles by photopolymerization or thermally polymerization. emulsions comprising a reactive phase and a phase immiscible (e.g., water) with the reactive phase components. The resulting foams might be closed or open cell, depending on the initial emulsion microstructure. Foams made from water-in-oil emulsions , including high internal phase emulsion are also disclosed. Articles and uses for the foams are also described. Thus, in an example, Nalco 2327 (colloidal silica) nonopaprticles functionalized with A-174 (methacrylic silane), with BS 1316 (isooctyltrimethoxysilane) and with hexamethyldisilazane were prepd., treated with equal amt. of isooctyl acrylate through stirring and sonicating until a clear soln. could be reached, combined with Irgacure 907 (photoinitiator) and mixed with water to give an emulsion which was polymerizable by UV light. | | | | |
| IT | 9036-63-9P, Isooctyl acrylate polymer | | | | |
| | RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation) (foams contg. functionalized metal oxide nanoparticles and methods of making same) | | | | |
| RN | 9036-63-9 HCAPLUS | | | | |
| CN | 2-Propenoic acid, isooctyl ester, homopolymer (9CI) (CA INDEX NAME) | | | | |

CM 1

CRN 29590-42-9

CMF C11 H20 O2
 CCI IDS
 CDES 8:ID,ISO



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L141 ANSWER 2 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:693027 HCAPLUS

DN 135:262325

TI Medical dressings with multiple adhesives and methods of manufacturing
 IN Blatchford, Todd A.; Heinecke, Steven B.; Lucast, Donald H.; Peterson,
 Donald G.

PA 3M Innovative Properties Company, USA

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2001068021 | A1 | 20010920 | WO 2000-US26090 | 20000925 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 2001051178 | A1 | 20011213 | US 2001-840405 | 20010423 |
| PRAI | US 2000-524139 | A | 20000310 | | |

AB Medical dressings are disclosed that include multiple exposed pressure sensitive adhesives. One of the pressure sensitive adhesives includes a bioactive agent and is substantially contact transparent. In some embodiments, all of the adhesives are substantially contact transparent. Also provided are methods of manufg. the medical dressings. By providing multiple exposed pressure sensitive adhesives, the pressure sensitive adhesive formulations can be varied to provide desired properties in different areas of the dressing. A pressure sensitive adhesive that exhibits relatively high tack to skin may be provided around the periphery of the dressing while a pressure sensitive adhesive incorporating a bioactive agent is provided in the center of the dressing. A antimicrobial microsphere adhesive was prepd. by mixing: **isooctyl acrylate**, N-vinylpyrrolidone, PEG **acrylate**, PVP, glycerol, and 20% soln. of chlorhexidine gluconate.

IT 162735-65-1

RL: DEV (Device component use); FMU (Formation, unclassified); PEP (Physical, engineering or chemical process); POF (Polymer in formulation); THU (Therapeutic use); BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process); USES (Uses)
 (medical dressings with multiple adhesives)

RN 162735-65-1 HCAPLUS

CN 2-Propenoic acid, isooctyl ester, polymer with 1-ethenyl-2-pyrrolidinone and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl)

(9CI) (CA INDEX NAME)

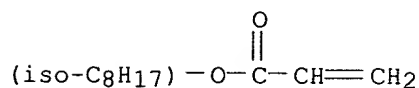
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

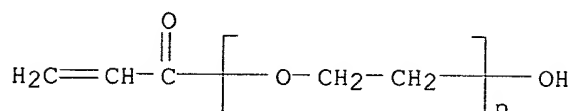


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

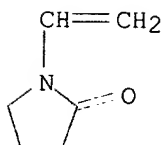
CCI PMS



CM 3

CRN 88-12-0

CMF C6 H9 N O



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L141 ANSWER 3 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:688042 HCAPLUS

DN 133:271391

TI Non-stinging coating composition containing polysiloxanes

IN Dunshee, Wayne K.; Eian, Gilbert L.

PA 3m Innovative Properties Company, USA

SO PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2000056280 | A1 | 20000928 | WO 2000-US7752 | 20000323 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, | | | | |

KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO,
 NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
 TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 EP 1162943 A1 20011219 EP 2000-916630 20000323
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 PRAI US 1999-126154P P 19990325
 WO 2000-US7752 W 20000323
 AB Compns. comprising 1-40 % siloxane contg. polymer; 60-99 % of an
 Alkane-Based Siloxy Polymer Reaction Solvent, and 0-15 % of adjuvants are
 useful for application to the skin or as components in cosmetic or topical
 a polymer was prepd. from 3-methacryloyloxypropyltris
 (trimethylsiloxy)silane, Me methacrylate and isooctyl
 acrylate and a compn. was prepd. contg. this polymer, tea tree
 oil, polymethylphenylsiloxane, Aloe Lipe, Vitamin E 4-80, and triclosan.
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L141 ANSWER 4 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:68506 HCAPLUS

DN 132:123660

TI Electron beam-polymerized emulsion-based acrylate
 pressure sensitive adhesives

IN Tran, Thu-Van T.; Weiss, Douglas E.

PA Minnesota Mining and Manufacturing Company, USA

SO PCT Int. Appl., 84 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|--|-----------------|----------|
| PI | WO 2000004079 | A1 | 20000127 | WO 1999-US1811 | 19990128 |
| | W: | | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | |
| | RW: | | GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | |
| | US 6103316 | A | 20000815 | US 1998-118590 | 19980717 |
| | AU 9924782 | A1 | 20000207 | AU 1999-24782 | 19990128 |
| | EP 1112306 | A1 | 20010704 | EP 1999-904373 | 19990128 |
| | R: | | DE, FR, GB, IT | | |
| PRAI | US 1998-118590 | A | 19980717 | | |
| | WO 1999-US1811 | W | 19990128 | | |
| AB | A one-step process using electron beam radiation to polymerize pressure sensitive adhesives on web from acrylate emulsions is disclosed. The radiation may be supplied in a single or multiple dose. Products using such pressure sensitive adhesives are also disclosed. This method provides pressure-sensitive adhesive sheets and tapes in the absence of free-radical initiators and at most any temp. where water is liq., with good control of the polymn. Thus, an emulsion contg. isooctyl acrylate 96, acrylic acid 4, Siponic Y-500-70 1, and water 43 parts was coated at 50-75-.mu.m thick on a primed PET substrate, and the coated substrate was passed twice through a chamber where it was irradiated with an accelerated electron source to cause polymn. | | | | |
| IT | 50974-48-6P, Acrylic acid-polyethylene | | | | |

glycol nonylphenyl ether acrylate copolymer

96529-25-8P 160283-63-6P 256425-79-3P

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(electron beam-polymd. emulsion-based acrylate pressure sensitive adhesives)

RN 50974-48-6 HCAPLUS

CN 2-Propenoic acid, polymer with .alpha.-(1-oxo-2-propenyl)-.omega.-(nonylphenoxy)poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

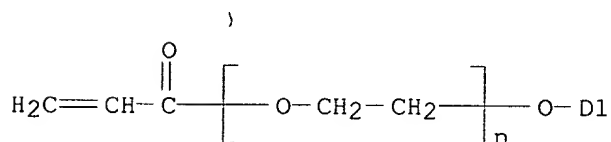
CM 1

CRN 50974-47-5

CMF (C2 H4 O)n C18 H26 O2

CCI IDS, PMS

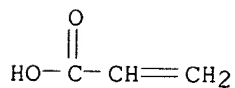
CDES 8:ID

D1-(CH₂)₈-Me

CM 2

CRN 79-10-7

CMF C3 H4 O2



RN 96529-25-8 HCAPLUS

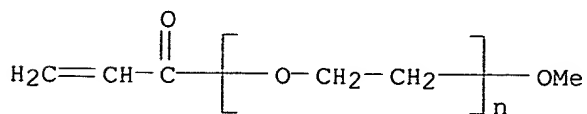
CN 2-Propenoic acid, isooctyl ester, polymer with 1-ethenyl-2-pyrrolidinone and .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)n C4 H6 O2

CCI PMS



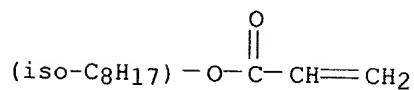
CM 2

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

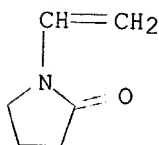
CDES 8:ID,ISO



CM 3

CRN 88-12-0

CMF C6 H9 N O



RN 160283-63-6 HCAPLUS

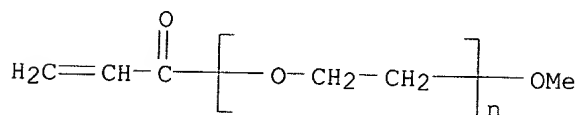
CN 2-Propenoic acid, isooctyl ester, polymer with .alpha.-(1-oxo-2-propenyl)-
.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)_n C4 H6 O2

CCI PMS



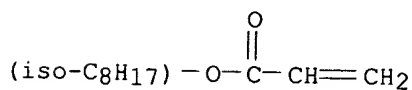
CM 2

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO



RN 256425-79-3 HCAPLUS

CN 2-Propenoic acid, polymer with Chemlink 4500, .alpha.-hydro-.omega.-
hydroxypoly(oxy-1,2-ethanediyl) 2-propenoate and isooctyl 2-propenoate

(9CI) (CA INDEX NAME)

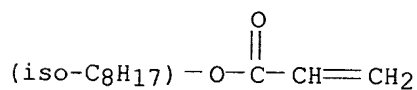
CM 1

CRN 112993-07-4
 CMF Unspecified
 CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

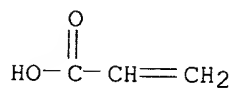
CM 2

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



CM 3

CRN 79-10-7
 CMF C3 H4 O2

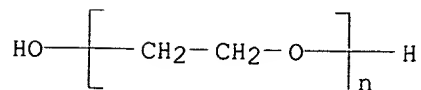


CM 4

CRN 60182-11-8
 CMF C3 H4 O2 . x (C2 H4 O)n H2 O
 CDES 8:GD, ESTER

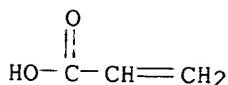
CM 5

CRN 25322-68-3
 CMF (C2 H4 O)n H2 O
 CCI PMS



CM 6

CRN 79-10-7
 CMF C3 H4 O2



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L141 ANSWER 5 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1999:722834 HCAPLUS

DN 131:318955

TI Elastomeric microspheres as pesticide delivery vehicles

IN Banovetz, John P.; Nielsen, Kent E.; Li, Kai

PA Minnesota Mining and Manufacturing Co., USA

SO PCT Int. Appl., 30 pp.

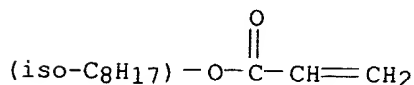
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

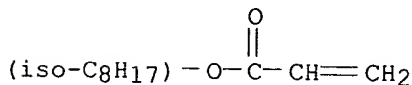
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|--|----------|-----------------|----------|
| PI | WO 9956541 | A1 | 19991111 | WO 1999-US6064 | 19990319 |
| | W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| | CA 2330852 | AA | 19991111 | CA 1999-2330852 | 19990319 |
| | AU 9930117 | A1 | 19991123 | AU 1999-30117 | 19990319 |
| | BR 9910181 | A | 20010109 | BR 1999-10181 | 19990319 |
| | EP 1075182 | A1 | 20010214 | EP 1999-911481 | 19990319 |
| | R: | DE, FR, GB, IT | | | |
| PRAI | US 1998-71567 | A | 19980501 | | |
| | WO 1999-US6064 | W | 19990319 | | |
| AB | Releasably-loaded elastomeric microspheres are given, comprising a plurality of elastomeric microspheres loaded with pesticide(s) within the optical boundaries of the elastomeric microspheres. Post-polymn. addn. and in-situ polymn. processes for prepg. the releasably loaded elastomeric microspheres are provided. | | | | |
| IT | 9036-63-9, Poly(isooctyl acrylate) 187284-17-9 249298-20-2 RL: MOA (Modifier or additive use); USES (Uses) (elastomeric microspheres as pesticide delivery vehicles) | | | | |
| RN | 9036-63-9 HCAPLUS | | | | |
| CN | 2-Propenoic acid, isooctyl ester, homopolymer (9CI) (CA INDEX NAME) | | | | |
| CM | 1 | | | | |
| CRN | 29590-42-9 | | | | |
| CMF | C11 H20 O2 | | | | |
| CCI | IDS | | | | |
| CDES | 8:ID, ISO | | | | |



RN 187284-17-9 HCAPLUS
 CN 2-Propenoic acid, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) 2-propenoate and isooctyl 2-propenoate (9CI) (CA INDEX NAME)

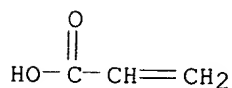
CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID,ISO



CM 2

CRN 79-10-7
 CMF C3 H4 O2

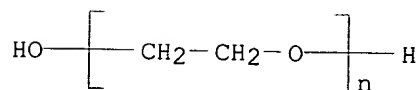


CM 3

CRN 60182-11-8
 CMF C3 H4 O2 . x (C2 H4 O)_n H2 O
 CDES 8:GD,ESTER

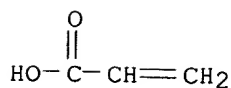
CM 4

CRN 25322-68-3
 CMF (C2 H4 O)_n H2 O
 CCI PMS



CM 5

CRN 79-10-7
 CMF C3 H4 O2



RN 249298-20-2 HCAPLUS
 CN 2-Propenoic acid, polymer with 1,4-butanediyl di-2-propenoate, .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) 2-propenoate and

isooctyl 2-propenoate (9CI) (CA INDEX NAME)

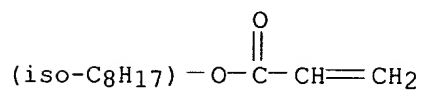
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

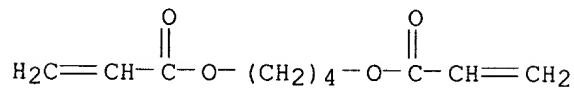
CDES 8:ID, ISO



CM 2

CRN 1070-70-8

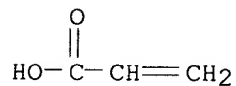
CMF C10 H14 O4



CM 3

CRN 79-10-7

CMF C3 H4 O2



CM 4

CRN 60182-11-8

CMF C3 H4 O2 . x (C2 H4 O)n H2 O

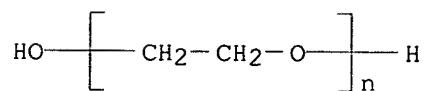
CDES 8:GD, ESTER

CM 5

CRN 25322-68-3

CMF (C2 H4 O)n H2 O

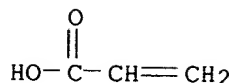
CCI PMS



CM 6

CRN 79-10-7

CMF C3 H4 O2



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L141 ANSWER 6 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1999:388248 HCAPLUS

DN 131:32723

TI Optically clear antistatic pressure-sensitive adhesive film or tape and its manufacture

IN Kellen, James N.; Gutman, Gustav

PA **Minnesota Mining and Manufacturing Company, USA**

SO PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | WO 9929795 | A1 | 19990617 | WO 1998-US6762 | 19980403 |
| | W: JP, KR | | | | |
| | RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |

PRAI US 1997-985850 19971205

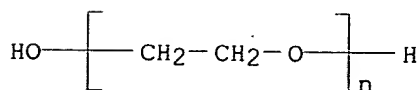
AB An antistatic, removable pressure-sensitive adhesive film comprises a transparent flexible polymeric film support bearing a non-tribocharging, microparticulate blend adhesive formed from a blend of (a) conductive, polymeric, inherently tacky, solvent-insol., solvent-dispersible, microparticles, the microparticles having a surface with an ionic conductive material formed from a polymer electrolyte base polymer, and .gtoreq.1 ionic salt selected from alkali metals and salts of alk. earth metals, where the microparticles have an av. diam. .gtoreq.1 .mu.m, and (b) a nonparticulate **acrylic** copolymer. The adhesive has an adhesion to steel 0.1-5 N/100 mm and an optical transmission .gtoreq.80%. Thus, a microsphere formulation of **acrylic acid-isooctyl acrylate-polyethylene glycol methacrylate** copolymer dispersion, Rhoplex AC 630 emulsion, NH4OH, LiNO3, and thickener in aq. media was coated onto polyester film, and dried at 104.degree. to give an adhesive tape having adhesion to steel 1.08 N/100 mm and transparency 82.5%.

IT 25322-68-3 25322-69-4

RL: MOA (Modifier or additive use); USES (Uses)
(conductive agent; in optically clear antistatic pressure-sensitive adhesive film or tape with resistance to static charge, low adhesion and water resistance for glass or plastic screens)

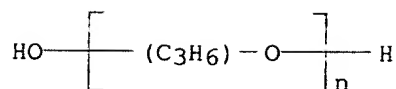
RN 25322-68-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX NAME)



RN 25322-69-4 HCAPLUS

CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- (9CI)
(CA INDEX NAME)



IT 96613-21-7P, Acrylic acid-isooctyl
acrylate-methoxy polyethylene glycol
methacrylate copolymer 226943-04-0P, Acrylic
acid-ethyl acrylate-isooctyl acrylate
-methoxy polyethylene glycol methacrylate
copolymer

RL: IMF (Industrial manufacture); TEM (Technical or engineered material
use); PREP (Preparation); USES (Uses)

(in optically clear antistatic pressure-sensitive adhesive film or tape
with resistance to static charge, low adhesion and water resistance for
glass or plastic screens)

RN 96613-21-7 HCAPLUS

CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and
.alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-
ethanediyl) (9CI) (CA INDEX NAME)

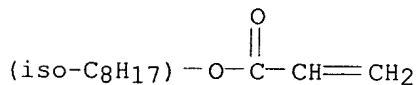
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

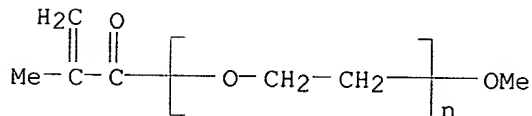


CM 2

CRN 26915-72-0

CMF (C2 H4 O)n C5 H8 O2

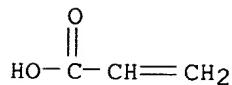
CCI PMS



CM 3

CRN 79-10-7

CMF C3 H4 O2



RN 226943-04-0 HCAPLUS

CN 2-Propenoic acid, polymer with ethyl 2-propenoate, isooctyl 2-propenoate and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

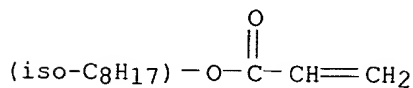
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID, ISO

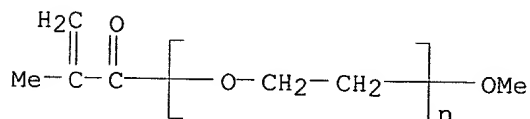


CM 2

CRN 26915-72-0

CMF (C2 H4 O)_n C5 H8 O2

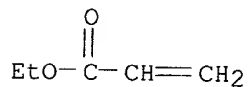
CCI PMS



CM 3

CRN 140-88-5

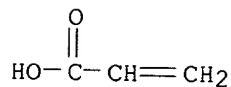
CMF C5 H8 O2



CM 4

CRN 79-10-7

CMF C3 H4 O2



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L141 ANSWER 7 OF 25 HCAPLUS COPYRIGHT 2002 ACS

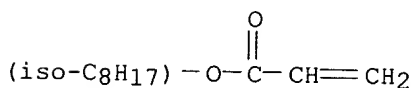
AN 1998:745141 HCAPLUS

DN 130:4644

TI Adhesive compositions containing microspheres that are removable after thermosetting

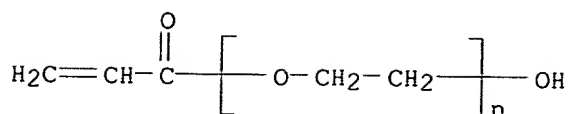
IN Waid, Robert D.
 PA Minnesota Mining and Manufacturing Co., USA
 SO PCT Int. Appl., 55 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9850480 | A1 | 19981112 | WO 1997-US7505 | 19970505 |
| | W: AU, CA, JP, KR, US | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | AU 9730584 | A1 | 19981127 | AU 1997-30584 | 19970505 |
| | EP 980409 | A1 | 20000223 | EP 1997-925450 | 19970505 |
| | R: DE, FR, GB | | | | |
| | JP 2001523295 | T2 | 20011120 | JP 1998-547994 | 19970505 |
| | US 6288170 | B1 | 20010911 | US 1999-402336 | 19991006 |
| | US 2002010274 | A1 | 20020124 | US 2001-915619 | 20010727 |
| PRAI | WO 1997-US7505 | A | 19970505 | | |
| | US 1999-402336 | A3 | 19991006 | | |
| AB | Thermosettable adhesive compns. include a polyepoxide resin, a curing agent, and a plurality of microspheres. The microspheres, polyepoxide resin, and curing agent and the relative amts. thereof, are selected such that upon cure the compn. is capable of forming a semi-structural bond to a substrate and is cleanly thermally removable from the substrate. The microspheres are typically acrylic polymers such as acrylic acid-isooctyl acrylate-polyethylene glycol monoacrylate copolymer. | | | | |
| IT | 172682-52-9, Acrylic acid-isooctyl acrylate-polyethylene oxide monoacrylate graft copolymer | | | | |
| | RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses) | | | | |
| | (microspheres; adhesive compns. contg. microspheres that are removable after thermosetting) | | | | |
| RN | 172682-52-9 HCAPLUS | | | | |
| CN | 2-Propenoic acid, polymer with isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl), graft (9CI) (CA INDEX NAME) | | | | |
| CM | 1 | | | | |
| CRN | 29590-42-9 | | | | |
| CMF | C11 H20 O2 | | | | |
| CCI | IDS | | | | |
| CDES | 8:ID,ISO | | | | |



CM 2

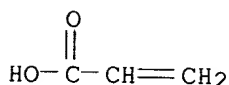
CRN 26403-58-7
 CMF (C2 H4 O)n C3 H4 O2
 CCI PMS



CM 3

CRN 79-10-7

CMF C3 H4 O2



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L141 ANSWER 8 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1998:360544 HCAPLUS

DN 129:96332

TI Preparation of liquid hardening resin for use in immobilization of biocatalysts

IN Uchida, Hiromi; Higo, Yukiyo

PA Toyo Ink Mfg. Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | JP 10150981 | A2 | 19980609 | JP 1996-313291 | 19961125 |
| AB | Described is the prepn. of a biocatalyst-contg. liq. resin that can be hardened by, e.g., radiation and that is suitable for the immobilization of biocatalysts to be used in bioreactors, biosensors, etc. The resin is prepd. by mixing (meth)acrylate liq. resin 100 wt. parts, monomeric (meth)acrylate (<1kDa; viscosity 0.01-60 P at 50.degree.) 1-1000 wt. parts, and a biocatalyst such as an enzyme, microorganism, or cell. The liq. resin is a solvent-free copolymer of alkylene glycol (meth)acrylate monomer (CH ₂ =C(R ₁)COO(C _n H _{2n} O) _m R ₂ ; where R ₁ = H, Me; R ₂ = C ₁ -5 alkyl, phenyl; n = 1-3 integral; m = 3-25 integral) 20-100 wt.% and other monomers 80-0 wt.%, which copolymer exhibits a mol. wt. 10,000-20,000 and viscosity 1-10,000 P (50.degree.). Thus, methoxypolyethylene glycol acrylate homopolymer (liq.; mol. wt. 22,100; 132 P), polyethyleneglycol diacrylate (mol. wt. 508; viscosity 0.36 P), and glucoamylase of Rhizopus were mixed to obtain an enzyme-contg. liq. hardening resin. The liq. resin was used for coating the PET film and, after radiation-hardening, the prepn. of a bioreactor where the immobilized glucoamylase remained active after a 3-wk continuous operation. | | | | |
| IT | 118596-75-1P | | | | |
| | RL: NUU (Other use, unclassified); SPN (Synthetic preparation); PREP (Preparation); USES (Uses) | | | | |
| | (prepn. of liq. hardening resin for use in immobilization of biocatalysts) | | | | |
| RN | 118596-75-1 HCAPLUS | | | | |
| CN | Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxo-2-propenyl)-.omega.-methoxy-, polymer with .alpha.-(1-oxo-2-propenyl)-.omega.-[(1-oxo-2- | | | | |

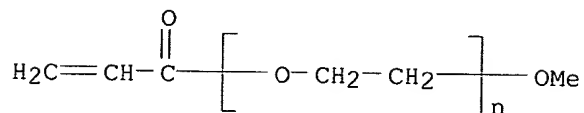
propenyl)oxy]poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)n C4 H6 O2

CCI PMS

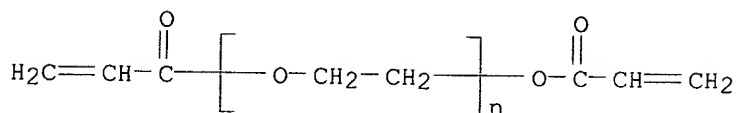


CM 2

CRN 26570-48-9

CMF (C2 H4 O)n C6 H6 O3

CCI PMS



IT 97008-69-0P 108644-38-8P 200433-67-6P

209596-38-3P 209596-39-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of liq. hardening resin for use in immobilization of
biocatalysts)

RN 97008-69-0 HCAPLUS

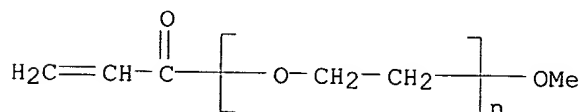
CN Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxo-2-propenyl)-.omega.-methoxy-,
homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)n C4 H6 O2

CCI PMS



RN 108644-38-8 HCAPLUS

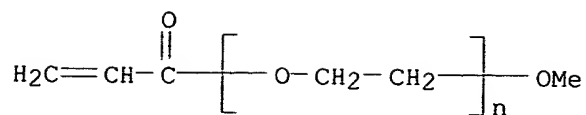
CN 2-Propenoic acid, polymer with .alpha.-(1-oxo-2-propenyl)-.omega.-
methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)n C4 H6 O2

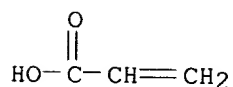
CCI PMS



CM 2

CRN 79-10-7

CMF C3 H4 O2



RN 200433-67-6 HCAPLUS

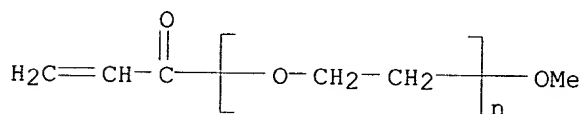
CN 2-Propenoic acid, 4-hydroxybutyl ester, polymer with .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)_n C4 H6 O2

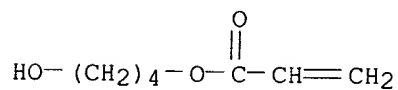
CCI PMS



CM 2

CRN 2478-10-6

CMF C7 H12 O3



RN 209596-38-3 HCAPLUS

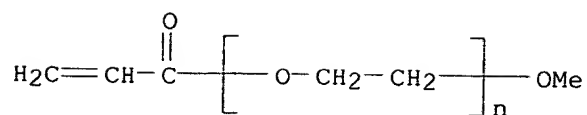
CN 2-Propenoic acid, 4-hydroxybutyl ester, polymer with ethenylbenzene and .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)_n C4 H6 O2

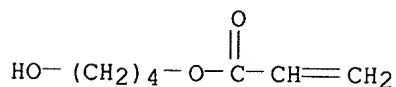
CCI PMS



CM 2

CRN 2478-10-6

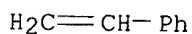
CMF C7 H12 O3



CM 3

CRN 100-42-5

CMF C8 H8



RN 209596-39-4 HCAPLUS

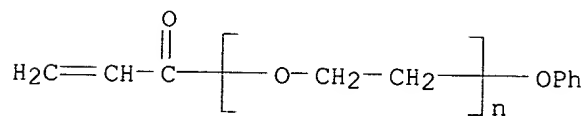
CN 2-Propenoic acid, polymer with .alpha.-(1-oxo-2-propenyl)-.omega.-phenoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 56641-05-5

CMF (C2 H4 O)_n C9 H8 O2

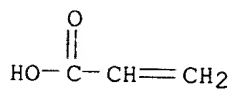
CCI PMS



CM 2

CRN 79-10-7

CMF C3 H4 O2



L141 ANSWER 9 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1998:239133 HCAPLUS

DN 128:286421

TI Pressure-sensitive medical adhesive tapes, dressings, and skin patches

IN Lucast, Donald H.; Goetz, Richard J.
 PA Minnesota Mining and Manufacturing Company, USA
 SO PCT Int. Appl., 67 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9815298 | A1 | 19980416 | WO 1997-US14750 | 19970821 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9739871 | A1 | 19980505 | AU 1997-39871 | 19970821 |
| | AU 728950 | B2 | 20010118 | | |
| | EP 929321 | A1 | 19990721 | EP 1997-937340 | 19970821 |
| | R: DE, FR, GB, IT, SE | | | | |
| | JP 2001502002 | T2 | 20010213 | JP 1998-517496 | 19970821 |
| | KR 2000048921 | A | 20000725 | KR 1999-702952 | 19990406 |
| PRAI | US 1996-726513 | A | 19961007 | | |
| | WO 1997-US14750 | W | 19970821 | | |

AB The title articles include a substrate having a surface, at least a portion of which is provided with a pressure sensitive adhesive compn. that includes a blend of discrete, crosslinked polymer microspheres and a polymer matrix. The compn. has a substantially smooth, exposed surface available for adhesion. The adhesive compn. does not exhibit unacceptably high adhesion build-up over time when adhered to an opposing surface. Thus, microspheres of N-vinylpyrrolidone-polyethylene glycol acrylate-isoctyl acrylate copolymer in a matrix of acrylic acid-polyethylene glycol acrylate-isoctyl acrylate copolymer were coated onto a polyurethane blown microfiber backing. The coating thickness of adhesive blend was approx. 50 .mu.m. The adhesive tape exhibited initial skin adhesion 1.51 N/100 mm width, skin adhesion after 24 h 6.45 N/100 mm width, and moisture vapor permeability 666 g/m2/24 h.

IT 9036-63-9P, Isooctyl acrylate homopolymer
 205885-78-5P

RL: POF (Polymer in formulation); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(microspheres; pressure-sensitive adhesive microsphere-matrix blends for medical adhesive tapes, dressings and skin patches)

RN 9036-63-9 HCAPLUS

CN 2-Propenoic acid, isoctyl ester, homopolymer (9CI) (CA INDEX NAME)

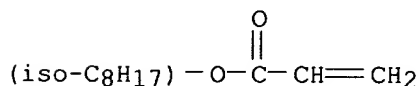
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

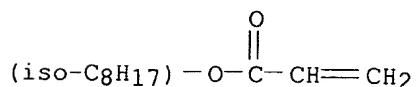
CDES 8:ID,ISO



RN 205885-78-5 HCAPLUS
 CN 2-Propenoic acid, isooctyl ester, polymer with 1-ethenyl-2-pyrrolidinone
 and .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) 2-propenoate
 (9CI) (CA INDEX NAME)

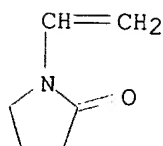
CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



CM 2

CRN 88-12-0
 CMF C6 H9 N O

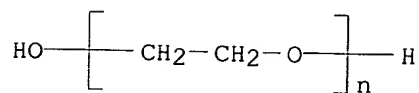


CM 3

CRN 60182-11-8
 CMF C3 H4 O2 . x (C2 H4 O)n H2 O
 CDES 8:GD, ESTER

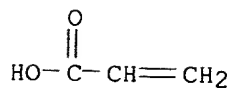
CM 4

CRN 25322-68-3
 CMF (C2 H4 O)n H2 O
 CCI PMS



CM 5

CRN 79-10-7
 CMF C3 H4 O2



IT 187284-17-9P, Acrylic acid-isooctyl
acrylate-polyethylene glycol acrylate
copolymer
RL: POF (Polymer in formulation); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(pressure-sensitive adhesive microsphere-matrix blends for medical
adhesive tapes, dressings and skin patches)

RN 187284-17-9 HCAPLUS

CN 2-Propenoic acid, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-
ethanediyl) 2-propenoate and isooctyl 2-propenoate (9CI) (CA INDEX NAME)

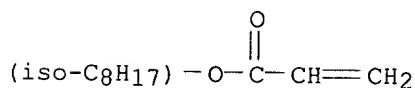
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

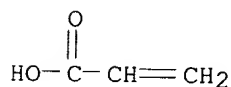
CDES 8:ID, ISO



CM 2

CRN 79-10-7

CMF C3 H4 O2



CM 3

CRN 60182-11-8

CMF C3 H4 O2 . x (C2 H4 O)n H2 O

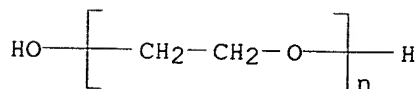
CDES 8:GD, ESTER

CM 4

CRN 25322-68-3

CMF (C2 H4 O)n H2 O

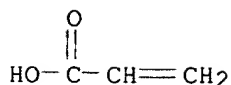
CCI PMS



CM 5

CRN 79-10-7

CMF C3 H4 O2



L141 ANSWER 10 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1998:169486 HCAPLUS

DN 128:235190

TI Polymers for absorbent dressings

IN Chen, Yen-Lane; Young, Chung I.; Lu, Ying-Yuh; Dietz, Timothy M.

PA Minnesota Mining and Manufacturing Company, USA

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

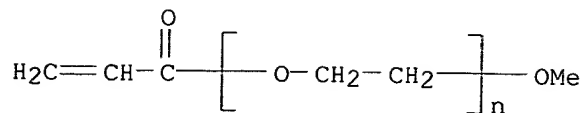
LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|--|----------|-----------------|----------|
| PI | WO 9809666 | A1 | 19980312 | WO 1997-US13296 | 19970731 |
| | W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | |
| | US 5733570 | A | 19980331 | US 1996-709557 | 19960905 |
| | AU 9738983 | A1 | 19980326 | AU 1997-38983 | 19970731 |
| | EP 930899 | A1 | 19990728 | EP 1997-936276 | 19970731 |
| | R: | DE, FR, GB, IT | | | |
| | JP 2001500754 | T2 | 20010123 | JP 1998-512646 | 19970731 |
| PRAI | US 1996-709557 | A | 19960905 | | |
| | WO 1997-US13296 | W | 19970731 | | |
| AB | An absorbent dressing includes a transparent, elastomeric, body fluid-absorbing compn. that is essentially free of hydrocolloidal gel particles. The compn. includes the reaction product of: (a) 20-80 parts of an acrylic or methacrylic acid ester of a non-tertiary C4-14 alc.; (b) 30-60 parts of a hydrophilic, ethylenically unsatd. monomer; and (c) 5-25 parts of a polar, ethylenically unsatd. monomer different from the hydrophilic, ethylenically unsatd. monomer. The compn. is capable of absorbing moderate to heavy amts. of body fluids, while retaining its structural integrity and transparency. | | | | |
| | Acrylic acid-isooctyl acrylate-polyethylene glycol acrylate (24:20:56) | | | | |
| | copolymer was prepd. and tested for water absorbency, moisture vapor transmission rate, and skin adhesion. | | | | |
| IT | 96529-26-9P 187284-17-9P, Acrylic acid-isooctyl acrylate-polyethylene glycol acrylate copolymer | | | | |
| | RL: IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) | | | | |
| | (acrylate polymers for absorbent dressings) | | | | |
| RN | 96529-26-9 HCAPLUS | | | | |
| CN | 2-Propenoic acid, polymer with isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME) | | | | |

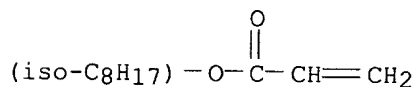
CM 1

CRN 32171-39-4
 CMF (C2 H4 O)_n C4 H6 O2
 CCI PMS



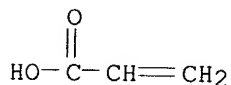
CM 2

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



CM 3

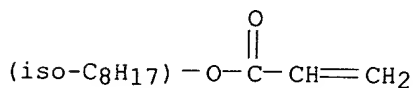
CRN 79-10-7
 CMF C3 H4 O2



RN 187284-17-9 HCAPLUS
 CN 2-Propenoic acid, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) 2-propenoate and isooctyl 2-propenoate (9CI) (CA INDEX NAME)

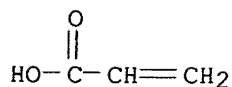
CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



CM 2

CRN 79-10-7
 CMF C3 H4 O2



CM 3

CRN 60182-11-8

CMF C3 H4 O2 . x (C2 H4 O)n H2 O

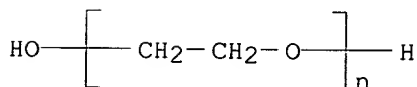
CDES 8:GD,ESTER

CM 4

CRN 25322-68-3

CMF (C2 H4 O)n H2 O

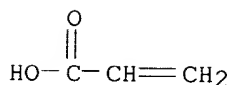
CCI PMS



CM 5

CRN 79-10-7

CMF C3 H4 O2



L141 ANSWER 11 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1997:636201 HCAPLUS

DN 127:263897

TI Polymerized microemulsion pressure sensitive adhesive compositions, their preparation, and use

IN Dietz, Timothy M.; Lu, Ying-Yuh; Uy, Rosa; Young, Chung I.

PA Minnesota Mining and Mfg. Co., USA

SO U.S., 31 pp. Cont.-in-part of U.S. Ser. No. 188,269, abandoned.

CODEN: USXXAM

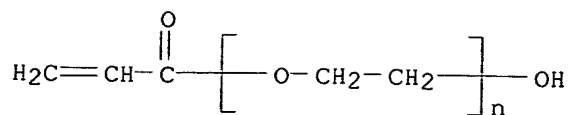
DT Patent

LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-----|--|------|----------|-----------------|----------|
| PI | US 5670557 | A | 19970923 | US 1995-507006 | 19950725 |
| | CA 2179907 | AA | 19950803 | CA 1995-2179907 | 19950106 |
| | CN 1139946 | A | 19970108 | CN 1995-191349 | 19950106 |
| | US 5674561 | A | 19971007 | US 1995-567814 | 19951206 |
| | WO 9705171 | A1 | 19970213 | WO 1996-US10532 | 19960617 |
| W: | AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG | | | | |
| RW: | KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN | | | | |

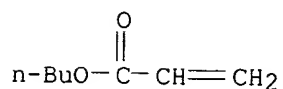
| | | | | |
|---------------------|---|----------|----------------|----------|
| AU 9662837 | A1 | 19970226 | AU 1996-62837 | 19960617 |
| EP 840753 | A1 | 19980513 | EP 1996-921683 | 19960617 |
| R: DE, FR, GB, IT | | | | |
| CN 1191546 | A | 19980826 | CN 1996-195787 | 19960617 |
| JP 11510530 | T2 | 19990914 | JP 1996-507585 | 19960617 |
| US 5952398 | A | 19990914 | US 1997-935386 | 19970923 |
| PRAI US 1994-188269 | | 19940128 | | |
| US 1995-507006 | | 19950725 | | |
| WO 1996-US10532 | | 19960617 | | |
| AB | <p>The title compn. has peel adhesion .gtoreq.3 N/ 100 mm as measured according to a PSTC-1 Test. The title compn. preferably has a bicontinuous structure of a continuous phase of a hydrophobic pressure sensitive adhesive polymer and a continuous phase of a hydrophilic polymer and the bulk properties of both polymers are retained in the bicontinuous structure. The title compn. is prepd. from a microemulsion comprising a free-radically ethylenically unsatd. polar amphiphilic or hydrophilic monomer or oligomer in the aq. phase, a free-radically ethylenically unsatd. hydrophobic monomer, having a glass transition temp. suitable for forming a pressure sensitive adhesive, in the oil phase, H2O, and surfactant. The pressure sensitive adhesive compn. is used for biomedical electrodes, medical skin coverings, and pharmaceutical delivery devices, and Zn/adhesive tapes used for cathodic protection of rebars embedded in concrete. Photopolymn. of a microemulsion contg. water, surfactants, acrylic acid, isooctyl acrylate, and polyethylene glycol acrylate on a substrate gave the adhesive, showing PSTC-1 180.degree. peel wet adhesion strength 40.1 N/ 100 mm, and dry adhesion 29.0 N/ 100 mm.</p> | | | |
| IT | <p>106858-20-2P, Acrylic acid-butyl acrylate-polyethylene glycol acrylate copolymer 162735-65-1P, Isooctyl acrylate-polyethylene glycol acrylate;N-vinylpyrrolidone copolymer 162735-67-3P, Methacrylic acid-isooctyl acrylate-polyethylene glycol acrylate copolymer 187284-17-9P, Acrylic acid-isooctyl acrylate-polyethylene glycol acrylate copolymer 188308-96-5P, Acrylamide-isooctyl acrylate-polyethylene glycol acrylate copolymer 196089-59-5P, Acrylic acid-isobutyl acrylate-isooctyl acrylate-polyethylene glycol acrylate copolymer 196089-60-8P, N,N-Dimethylacrylamide-isooctyl acrylate-polyethylene glycol acrylate copolymer RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (polymd. microemulsion pressure sensitive adhesive compns. with good peel adhesion)</p> | | | |
| RN | 106858-20-2 HCAPLUS | | | |
| CN | <p>2-Propenoic acid, polymer with butyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)</p> | | | |
| CM | 1 | | | |
| CRN | 26403-58-7 | | | |
| CMF | (C2 H4 O)n C3 H4 O2 | | | |
| CCI | PMS | | | |



CM 2

CRN 141-32-2

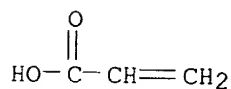
CMF C7 H12 O2



CM 3

CRN 79-10-7

CMF C3 H4 O2



RN 162735-65-1 HCAPLUS

CN 2-Propenoic acid, isooctyl ester, polymer with 1-ethenyl-2-pyrrolidinone
and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl)
(9CI) (CA INDEX NAME)

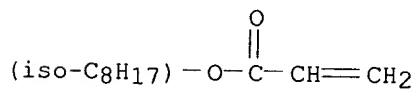
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

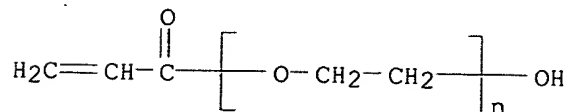


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

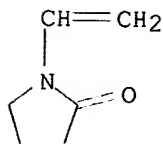
CCI PMS



CM 3

CRN 88-12-0

CMF C6 H9 N O



RN 162735-67-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with isooctyl 2-propenoate and
 .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI)
 (CA INDEX NAME)

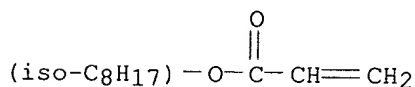
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID, ISO

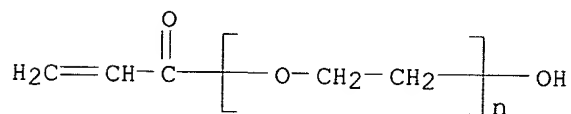


CM 2

CRN 26403-58-7

CMF (C2 H4 O)n C3 H4 O2

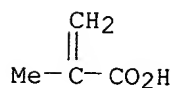
CCI PMS



CM 3

CRN 79-41-4

CMF C4 H6 O2

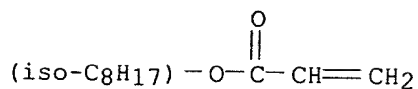


RN 187284-17-9 HCAPLUS

CN 2-Propenoic acid, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-
 ethanediyl) 2-propenoate and isooctyl 2-propenoate (9CI) (CA INDEX NAME)

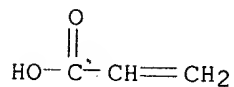
CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID,ISO



CM 2

CRN 79-10-7
 CMF C3 H4 O2

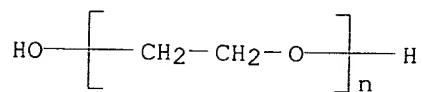


CM 3

CRN 60182-11-8
 CMF C3 H4 O2 . x (C2 H4 O)_n H2 O
 CDES 8:GD,ESTER

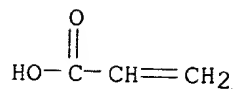
CM 4

CRN 25322-68-3
 CMF (C2 H4 O)_n H2 O
 CCI PMS



CM 5

CRN 79-10-7
 CMF C3 H4 O2

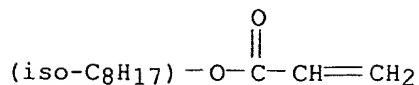


RN 188308-96-5 HCAPLUS
 CN 2-Propenoic acid, isooctyl ester, polymer with .alpha.-(1-oxo-2-propenyl)-
 .omega.-hydroxypoly(oxy-1,2-ethanediyl) and 2-propenamide (9CI) (CA INDEX
 NAME)

CM 1

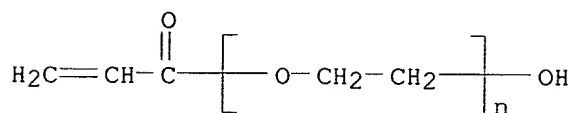
CRN 29590-42-9

CMF C11 H20 O2
 CCI IDS
 CDES 8:ID,ISO



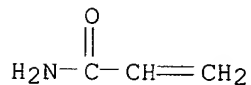
CM 2

CRN 26403-58-7
 CMF (C2 H4 O)_n C3 H4 O2
 CCI PMS



CM 3

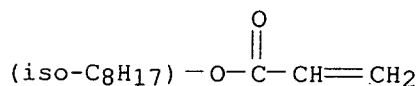
CRN 79-06-1
 CMF C3 H5 N O



RN 196089-59-5 HCAPLUS
 CN 2-Propenoic acid, polymer with isooctyl 2-propenoate, 2-methylpropyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

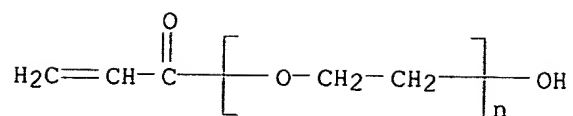
CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID,ISO



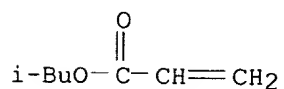
CM 2

CRN 26403-58-7
 CMF (C2 H4 O)_n C3 H4 O2
 CCI PMS



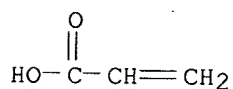
CM 3

CRN 106-63-8
CMF C7 H12 O2



CM 4

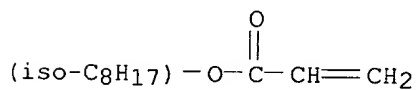
CRN 79-10-7
CMF C3 H4 O2



RN 196089-60-8 HCAPLUS
CN 2-Propenoic acid, isooctyl ester, polymer with N,N-dimethyl-2-propenamide and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

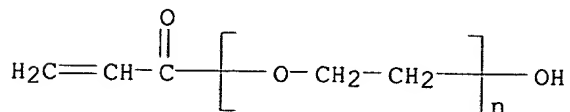
CM 1

CRN 29590-42-9
CMF C11 H20 O2
CCI IDS
CDES 8:ID, ISO



CM 2

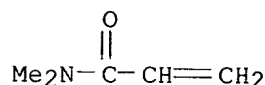
CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 3

CRN 2680-03-7

CMF C5 H9 N O



L141 ANSWER 12 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1997:293830 HCAPLUS

DN 126:265002

TI Optically clear antistatic pressure-sensitive easily removable adhesive film

IN Kellen, James N.; Gutman, Gustav; Goetz, Richard J.

PA Minnesota Mining and Mfg. Co., USA

SO PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9708260 | A1 | 19970306 | WO 1996-US7669 | 19960711 |
| | W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML | | | | |
| | AU 9665404 | A1 | 19970319 | AU 1996-65404 | 19960711 |
| PRAI | US 1995-2619P | P | 19950822 | | |
| | US 1996-661505 | A | 19960611 | | |
| | WO 1996-US7669 | W | 19960711 | | |
| AB | The film useful for temporary protection of electronic equipments during assembly comprises a transparent flexible polymeric film support bearing on at least one major surface thereof a non-tribocharging, microparticulate blend adhesive formed from a blend of (A) conductive, polymeric, inherently tacky, solvent-insol., solvent-dispersible, elastomeric microparticles, the microparticles having a surface bearing thereon an ionic conductive material formed from a polymer electrolyte base polymer, and at least one ionic salt selected from the group consisting of salts of alkali metals and salts of alk. earth metals, wherein the microparticles have an av. diam. of .gtoreq.1 .mu.m, and (B) a nonparticulate acrylic copolymer; the adhesive having an adhesion to steel of 0.1-5 N/100 mm, and an optical transmission value of .gtoreq.80%. An adhesive film was derived from a compn. contg. isooctyl acrylate-acrylic acid-polyoxyethylene methacrylate copolymer (40% in water) 100, Rhoplex AC 630 (acrylic emulsion, 50% in water) 20, Li nitrate (20% in water) 3.0, and UCAR Polyphobe 104 (thickener, 25% in water) 0.5 g. | | | | |
| IT | 188818-22-6P, Acrylic acid-polyethylene glycol monomethacrylate-isooctyl acrylate copolymer 188818-23-7P, Acrylic acid-polyethylene glycol monomethacrylate-isooctyl acrylate-ethyl acrylate copolymer 188818-24-8P, 1,6-Hexanediol diacrylate- | | | | |

polyethylene glycol monomethacrylate-
isooctyl acrylate-ethyl acrylate copolymer

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(optically clear antistatic pressure-sensitive easily removable adhesive film)

RN 188818-22-6 HCAPLUS

CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

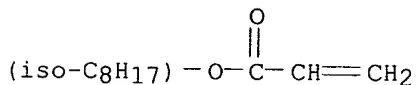
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID, ISO

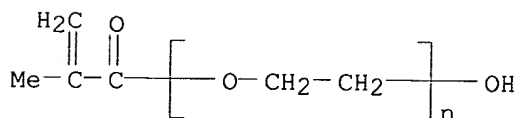


CM 2

CRN 25736-86-1

CMF (C2 H4 O)_n C4 H6 O2

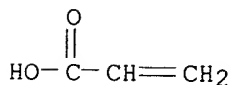
CCI PMS



CM 3

CRN 79-10-7

CMF C3 H4 O2



RN 188818-23-7 HCAPLUS

CN 2-Propenoic acid, polymer with ethyl 2-propenoate, isooctyl 2-propenoate and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

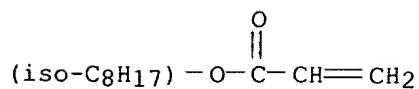
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID, ISO

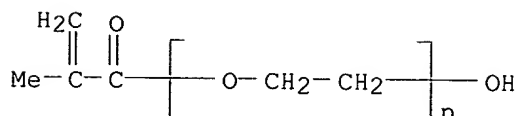


CM 2

CRN 25736-86-1

CMF (C2 H4 O)_n C4 H6 O2

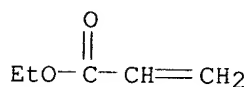
CCI PMS



CM 3

CRN 140-88-5

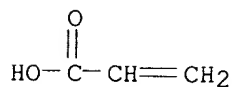
CMF C5 H8 O2



CM 4

CRN 79-10-7

CMF C3 H4 O2



RN 188818-24-8 HCAPLUS

CN 2-Propenoic acid, 1,6-hexanediyl ester, polymer with ethyl 2-propenoate, isooctyl 2-propenoate and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

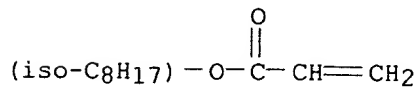
CM 1

CRN 29590-42-9

CMF C11 H20 O2

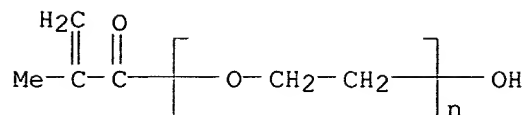
CCI IDS

CDES 8:ID,ISO



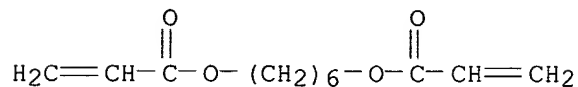
CM 2

CRN 25736-86-1
 CMF (C2 H4 O)_n C4 H6 O2
 CCI PMS



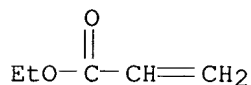
CM 3

CRN 13048-33-4
 CMF C12 H18 O4

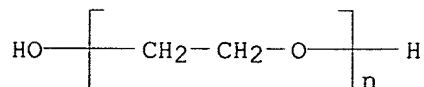


CM 4

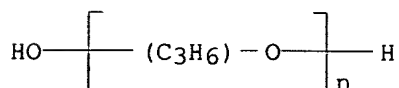
CRN 140-88-5
 CMF C5 H8 O2



IT 25322-68-3 25322-69-4, Polypropylene oxide
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polymer electrolyte base; optically clear antistatic
 pressure-sensitive easily removable adhesive film)
 RN 25322-68-3 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX
 NAME)

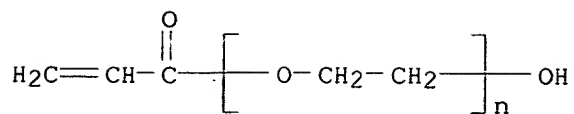


RN 25322-69-4 HCAPLUS
 CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- (9CI)
 (CA INDEX NAME)



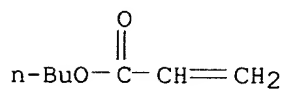
DN 126:226258
 TI **Microemulsion** pressure sensitive adhesive compositions and methods of preparing and using same
 IN Dietz, Timothy M.; Lu, Ying-Yuh; Uy, Rosa; Young, Chung I.
 PA **Minnesota Mining and Mfg. Co., USA**
 SO PCT Int. Appl., 80 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 9705171 | A1 | 19970213 | WO 1996-US10532 | 19960617 |
| | W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG | | | | |
| | RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN | | | | |
| | US 5670557 | A | 19970923 | US 1995-507006 | 19950725 |
| | AU 9662837 | A1 | 19970226 | AU 1996-62837 | 19960617 |
| | EP 840753 | A1 | 19980513 | EP 1996-921683 | 19960617 |
| | R: DE, FR, GB, IT | | | | |
| | JP 11510530 | T2 | 19990914 | JP 1996-507585 | 19960617 |
| PRAI | US 1995-507006 | | 19950725 | | |
| | US 1994-188269 | | 19940128 | | |
| | WO 1996-US10532 | | 19960617 | | |
| AB | The compn. has peel adhesion of at least 3 Newtons/100 mm as measured according to a PSTC-1 Test. The compn. preferably has a bicontinuous structure of a continuous phase of a hydrophobic pressure-sensitive adhesive polymer and a continuous phase of a hydrophilic polymer. The bulk properties of both polymers are retained in the bicontinuous structure. The compn. is prepd. from a microemulsion comprising a free-radically ethylenically unsatd. polar amphiphilic or hydrophilic monomer or oligomer in the aq. phase, a free-radically ethylenically unsatd. hydrophobic monomer, having a glass transition temp. suitable for forming a pressure sensitive adhesive, in the oil phase, water, and surfactant. Uses for the pressure sensitive adhesive compn. include biomedical articles, such as biomedical electrodes, medical skin coverings, and pharmaceutical delivery devices. A typical adhesive was manufd. by mixing 0.87 g acrylic acid and 2.03 g AM90G Ester (polyethylene glycol acrylate) with 1.25 g isooctyl acrylate , adding 0.02 g photoinitiator, then adding Brij 76 surfactant, then adding 4% aq. KCl soln., and photopolymg. the resulting microemulsion as a 0.38-mm cast film between release sheets. | | | | |
| IT | 106858-20-2P 162735-59-3P 162735-65-1P | | | | |
| | 162735-67-3P 170728-61-7P 188308-94-3P | | | | |
| | 188308-95-4P 188308-96-5P 188308-97-6P | | | | |
| | 188308-98-7P | | | | |
| | RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (bicontinuous microemulsion acrylic pressure-sensitive adhesive compns.) | | | | |
| RN | 106858-20-2 HCAPLUS | | | | |
| CN | 2-Propenoic acid, polymer with butyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME) | | | | |
| CM | 1 | | | | |
| CRN | 26403-58-7 | | | | |
| CMF | (C2 H4 O)n C3 H4 O2 | | | | |
| CCI | PMS | | | | |



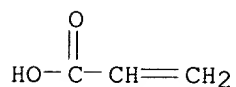
CM 2

CRN 141-32-2
CMF C7 H12 O2



CM 3

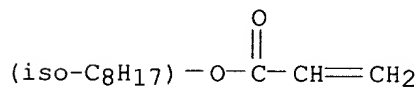
CRN 79-10-7
CMF C3 H4 O2



RN 162735-59-3 HCAPLUS
CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and
.alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI)
(CA INDEX NAME)

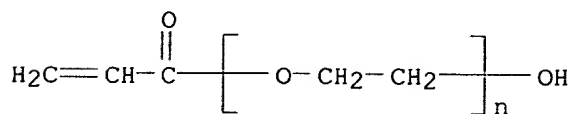
CM 1

CRN 29590-42-9
CMF C11 H20 O2
CCI IDS
CDES 8:ID, ISO



CM 2

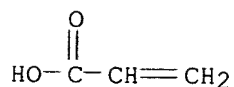
CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



CM 3

CRN 79-10-7

CMF C3 H4 O2



RN 162735-65-1 HCAPLUS

CN 2-Propenoic acid, isooctyl ester, polymer with 1-ethenyl-2-pyrrolidinone and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

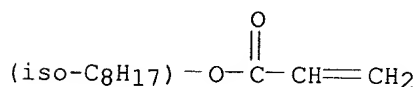
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID, ISO

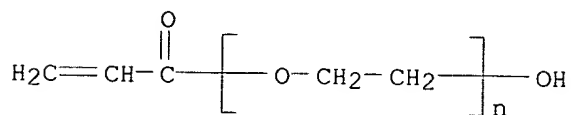


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

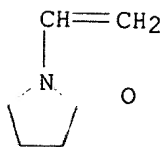
CCI PMS



CM 3

CRN 88-12-0

CMF C6 H9 N O



RN 162735-67-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

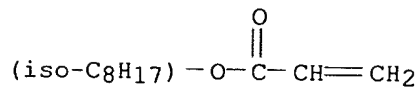
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

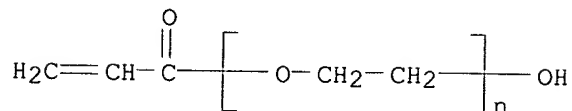


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

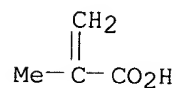
CCI PMS



CM 3

CRN 79-41-4

CMF C4 H6 O2



RN 170728-61-7 HCAPLUS

CN 2-Propenoic acid, polymer with isooctyl 2-propenoate, .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI) (CA INDEX NAME)

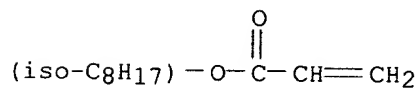
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

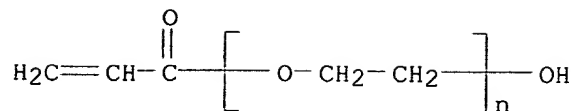


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

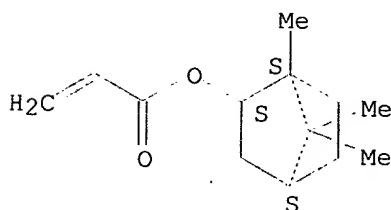
CCI PMS



CM 3

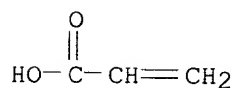
CRN 5888-33-5
 CMF C13 H20 O2
 CDES 2:EXO

Relative stereochemistry.



CM 4

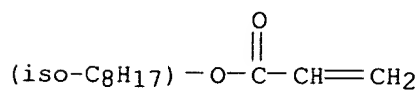
CRN 79-10-7
 CMF C3 H4 O2



RN 188308-94-3 HCAPLUS
 CN 2-Propenoic acid, polymer with 1-ethenyl-2-pyrrolidinone, isooctyl
 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-
 ethanediyl) (9CI) (CA INDEX NAME)

CM 1

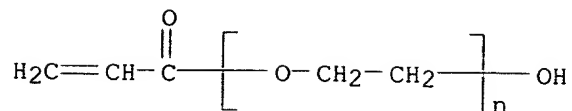
CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



CM 2

CRN 26403-58-7
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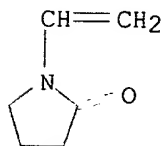
CCI PMS



CM 3

CRN 88-12-0

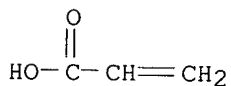
CMF C6 H9 N O



CM 4

CRN 79-10-7

CMF C3 H4 O2



RN 188308-95-4 HCAPLUS

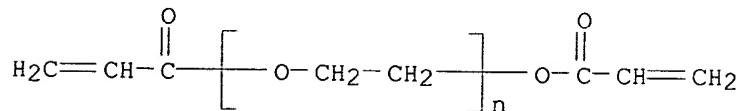
CN 2-Propenoic acid, polymer with .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and .alpha.-(1-oxo-2-propenyl)-.omega.-[(1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 26570-48-9

CMF (C2 H4 O)_n C6 H6 O3

CCI PMS

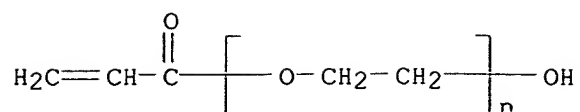


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

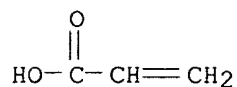
CCI PMS



CM 3

CRN 79-10-7

CMF C3 H4 O2



RN 188308-96-5 HCAPLUS

CN 2-Propenoic acid, isooctyl ester, polymer with .alpha.-(1-oxo-2-propenyl)-
.omega.-hydroxypoly(oxy-1,2-ethanediyl) and 2-propenamide (9CI) (CA INDEX
NAME)

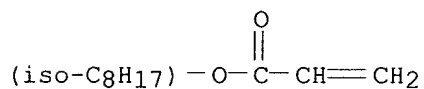
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID, ISO

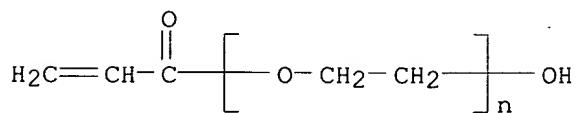


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

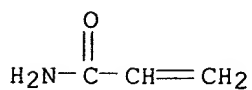
CCI PMS



CM 3

CRN 79-06-1

CMF C3 H5 N O



RN 188308-97-6 HCAPLUS
 CN 2-Propenoic acid, isooctyl ester, polymer with N,N'-methylenebis[2-propenamidel] and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

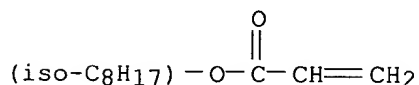
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID, ISO

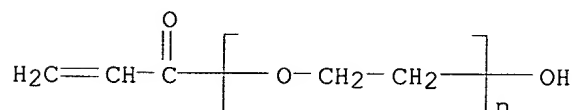


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

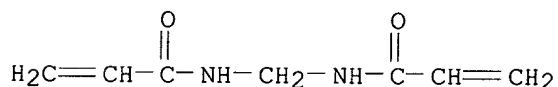
CCI PMS



CM 3

CRN 110-26-9

CMF C7 H10 N2 O2



RN 188308-98-7 HCAPLUS

CN 2-Propenoic acid, isooctyl ester, polymer with 1-ethenyl-2-pyrrolidinone, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

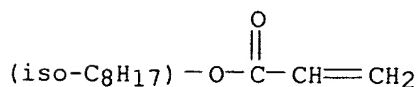
CM 1

CRN 29590-42-9

CMF C11 H20 O2

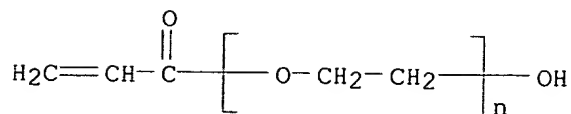
CCI IDS

CDES 8:ID, ISO



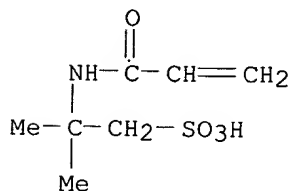
CM 2

CRN 26403-58-7
 CMF (C2 H4 O)_n C3 H4 O2
 CCI PMS



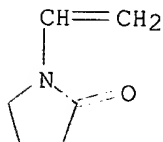
CM 3

CRN 15214-89-8
 CMF C7 H13 N O4 S



CM 4

CRN 88-12-0
 CMF C6 H9 N O



L141 ANSWER 14 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1997:184650 HCAPLUS

DN 126:172726

TI Backlight system with multilayer optical film reflector

IN Wortman, David L.; Cobb, Sanford, Jr.; Cull, Brian D.; Weber, Michael F.; Ouderkirk, Andrew J.

PA Minnesota Mining and Mfg. Co., USA

SO PCT Int. Appl., 42 pp.

CODEN: PIXXD2

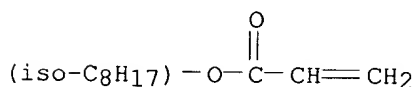
DT Patent

LA English

FAN.CNT 1

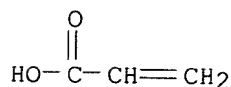
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | WO 9701726 | A1 | 19970116 | WO 1996-US7596 | 19960524 |
| | W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, | | | | |

SG, SI
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML
 AU 9658750 A1 19970130 AU 1996-58750 19960524
 AU 716525 B2 20000224
 EP 832392 A1 19980401 EP 1996-920454 19960524
 R: DE, ES, FR, GB, IT, NL
 JP 11508702 T2 19990727 JP 1996-504407 19960524
 PRAI US 1995-494981 19950626
 WO 1996-US7596 19960524
 AB The present invention, useful as liq. crystal displays, includes a
 backlight system incorporating a back reflector and/or a lamp cavity
 reflector constructed of a multilayer optical film. Thus, an extrudated
 multilayer mirror was prepd. from poly(ethylene naphthalate) and THV 500
 (fluoropolymer) and heated at 100-140.degree..
 IT 187284-17-9, Acrylic acid-isooctyl
 acrylate-polyoxyethylene acrylate copolymer
 RL: DEV (Device component use); PRP (Properties); TEM (Technical or
 engineered material use); USES (Uses)
 (adhesives, backing; backlight system with multilayer optical film
 reflector)
 RN 187284-17-9 HCAPLUS
 CN 2-Propenoic acid, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-
 ethanediyl) 2-propenoate and isooctyl 2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID,ISO



CM 2

CRN 79-10-7
 CMF C3 H4 O2

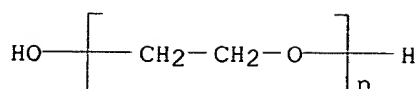


CM 3

CRN 60182-11-8
 CMF C3 H4 O2 . x (C2 H4 O)n H2 O
 CDES 8:GD,ESTER

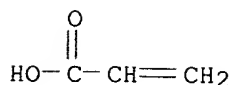
CM 4

CRN 25322-68-3
 CMF (C2 H4 O)n H2 O
 CCI PMS



CM 5

CRN 79-10-7
CMF C3 H4 O2



L141 ANSWER 15 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1995:996374 HCAPLUS

DN 124:89524

TI Repulpable pressure sensitive adhesive tape and improvement in tack and adhesion

IN Brown, Mary L.; Goetz, Richard J.; Moore, Cheryl L.; Battles, Donald R.

PA Minnesota Mining and Mfg. Co., USA

SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9527016 | A1 | 19951012 | WO 1995-US2295 | 19950224 |
| | W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TT, UA | | | | |
| | RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | US 5512612 | A | 19960430 | US 1994-222458 | 19940404 |
| | CA 2185226 | AA | 19951012 | CA 1995-2185226 | 19950224 |
| | AU 9519301 | A1 | 19951023 | AU 1995-19301 | 19950224 |
| | EP 754213 | A1 | 19970122 | EP 1995-911904 | 19950224 |
| | EP 754213 | B1 | 19980513 | | |
| | R: BE, DE, FR, GB, IT, NL, SE | | | | |
| | CN 1145087 | A | 19970312 | CN 1995-192420 | 19950224 |
| | BR 9507271 | A | 19970923 | BR 1995-7271 | 19950224 |
| | JP 09511538 | T2 | 19971118 | JP 1995-525679 | 19950224 |
| | FI 9603968 | A | 19961003 | FI 1996-3968 | 19961003 |
| PRAI | US 1994-222458 | | 19940404 | | |
| | WO 1995-US2295 | | 19950224 | | |

AB The title tape and adhesive comprises microparticles and a water-dispersible polymer component. The novel water-dispersible polymer contains a plurality of poly(alkoxyalkyl) **acrylate** units as a major component. The pressure sensitive adhesive may be used with labels for containers, sterilization indicator tapes and labels, closure systems for envelopes, surgical wrappers, and mammalian body coverings, and in the prepn. of paper web splices. An adhesive blend of microparticle 97:2:1 **isooctyl acrylate-acrylic acid-polyethylene glycol monoacrylate** copolymer, prepd. as 40% solids **emulsion**, and 22% water dispersible

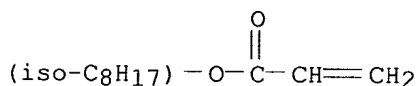
acrylic acid-2-(2-ethoxy)ethoxy Et acrylate copolymer (20:80; 182 .mu.m) was incorporated into a tape showing tack 56 mm and adhesion 6.9 N/m, vs. 80 and 3.6, resp., using only microparticle.

IT 9036-63-9P, Isooctyl acrylate homopolymer
108644-38-8P 172682-52-9P 172682-53-0P
RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(repulpable pressure sensitive adhesive tape and improvement in tack and adhesion)

RN 9036-63-9 HCAPLUS
CN 2-Propenoic acid, isooctyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

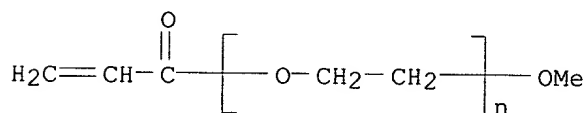
CRN 29590-42-9
CMF C11 H20 O2
CCI IDS
CDES 8:ID,ISO



RN 108644-38-8 HCAPLUS
CN 2-Propenoic acid, polymer with .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

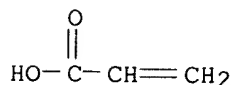
CM 1

CRN 32171-39-4
CMF (C2 H4 O)_n C4 H6 O2
CCI PMS



CM 2

CRN 79-10-7
CMF C3 H4 O2

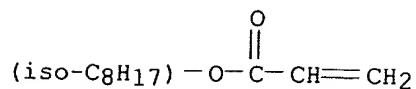


RN 172682-52-9 HCAPLUS
CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl), graft (9CI) (CA INDEX NAME)

CM 1

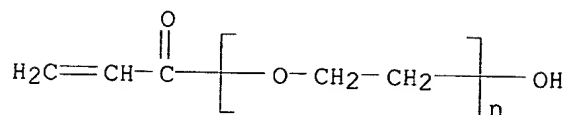
CRN 29590-42-9

CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



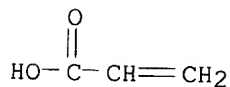
CM 2

CRN 26403-58-7
 CMF (C2 H4 O)_n C3 H4 O2
 CCI PMS



CM 3

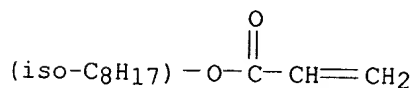
CRN 79-10-7
 CMF C3 H4 O2



RN 172682-53-0 HCAPLUS
 CN 2-Propenoic acid, polymer with butyl 2-propenoate, 1,6-hexanediyl di-2-propenoate, isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl), graft (9CI) (CA INDEX NAME)

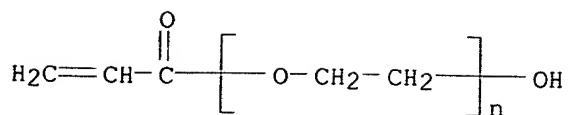
CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



CM 2

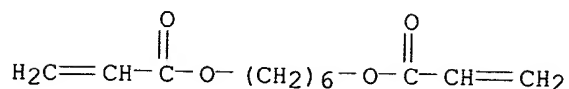
CRN 26403-58-7
 CMF (C2 H4 O)_n C3 H4 O2
 CCI PMS



CM 3

CRN 13048-33-4

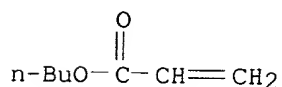
CMF C12 H18 O4



CM 4

CRN 141-32-2

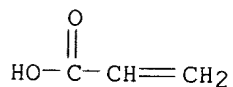
CMF C7 H12 O2



CM 5

CRN 79-10-7

CMF C3 H4 O2



L141 ANSWER 16 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1995:943450 HCAPLUS

DN 123:341992

TI Polymers with essentially nonporous, bicontinuous structure and their preparation by photopolymerization of **microemulsions**

IN Lu, Ying-Yuh; Young, Chung I.

PA **Minnesota Mining and Mfg. Co., USA**

SO Ger. Offen., 24 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|------------------|----------|
| PI | DE 19501920 | A1 | 19950803 | DE 1995-19501920 | 19950123 |
| | JP 07224105 | A2 | 19950822 | JP 1995-24577 | 19950120 |
| | US 5624973 | A | 19970429 | US 1995-453960 | 19950530 |
| | US 5521229 | A | 19960528 | US 1995-495147 | 19950627 |
| PRAI | US 1994-189060 | | 19940128 | | |

AB The polymers are obtained from **microemulsions** comprising water 2-40, radically polymerizable polar monomer(s) 2-60, hydrophobic monomer 15-85, conventional and/or polymerizable surfactant(s) 5-70, and photoinitiator 0.01-5%. The use of the photocatalyzed **microemulsion** process results in products with superior properties. Thus, a copolymer of **acrylic acid**, isobornyl **acrylate** and **polyethylene glycol acrylate** was prep. in **microemulsion** using benzil di-Me ketal catalyst and Mazon SAM 211 surfactant; not using a **microemulsion** (no deionized water) resulted in a polymer with no bicontinuous structure. Thermal polymn. resulted in a porous structure.

IT 162735-65-1P 170728-58-2P 170728-59-3P
170728-60-6P 170728-61-7P 170728-62-8P
RL: IMF (Industrial manufacture); PREP (Preparation)
(photochem. **microemulsion** prepn. of **acrylic** polymers with essentially nonporous, bicontinuous structure)

RN 162735-65-1 HCAPLUS

CN 2-Propenoic acid, isooctyl ester, polymer with 1-ethenyl-2-pyrrolidinone and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

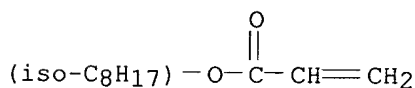
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

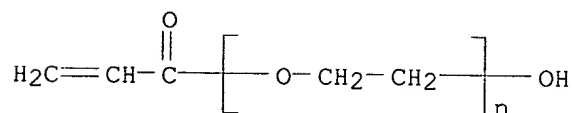


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

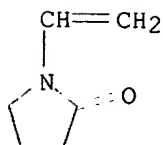
CCI PMS



CM 3

CRN 88-12-0

CMF C6 H9 N O



RN 170728-58-2 HCAPLUS

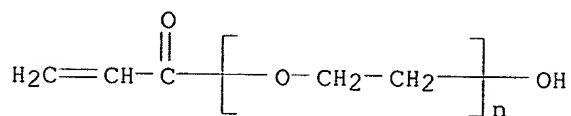
CN 2-Propenoic acid, polymer with .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

CCI PMS



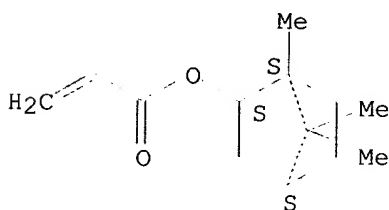
CM 2

CRN 5888-33-5

CMF C13 H20 O2

CDES 2:EXO

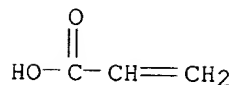
Relative stereochemistry.



CM 3.

CRN 79-10-7

CMF C3 H4 O2



RN 170728-59-3 HCAPLUS

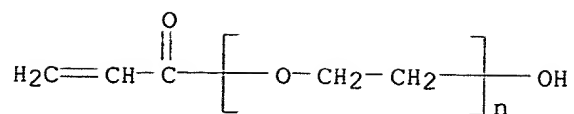
CN 2-Propenoic acid, polymer with 1-ethenyl-2-pyrrolidinone, .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

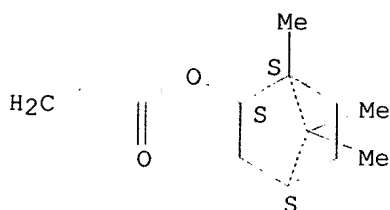
CCI PMS



CM 2

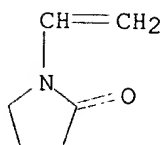
CRN 5888-33-5
 CMF C13 H20 O2
 CDES 2:EXO

Relative stereochemistry.



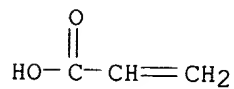
CM 3

CRN 88-12-0
 CMF C6 H9 N O



CM 4

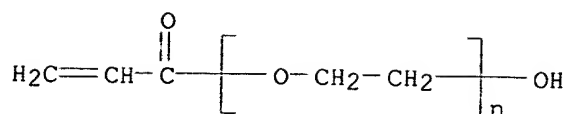
CRN 79-10-7
 CMF C3 H4 O2



RN 170728-60-6 HCAPLUS
 CN 2-Propenoic acid, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-, polymer with .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 26403-58-7
 CMF (C2 H4 O)n C3 H4 O2
 CCI PMS



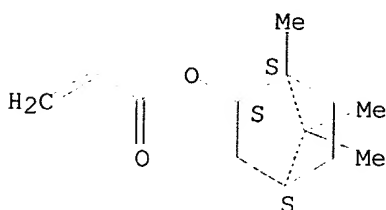
CM 2

CRN 5888-33-5

CMF C13 H20 O2

CDES 2:EXO

Relative stereochemistry.



RN 170728-61-7 HCAPLUS

CN 2-Propenoic acid, polymer with isooctyl 2-propenoate, .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI) (CA INDEX NAME)

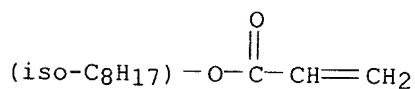
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

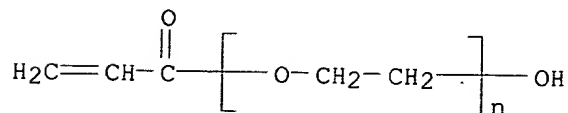


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

CCI PMS



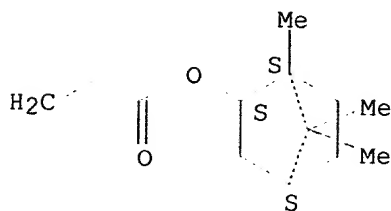
CM 3

CRN 5888-33-5

CMF C13 H20 O2

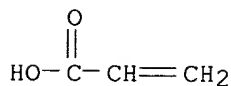
CDES 2:EXO

Relative stereochemistry.



CM 4

CRN 79-10-7
CMF C3 H4 O2

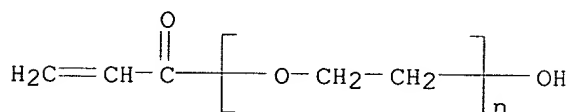


RN 170728-62-8 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
.alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and
2-propenoic acid (9CI) (CA INDEX NAME)

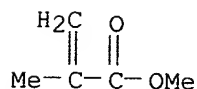
CM 1

CRN 26403-58-7
CMF (C2 H4 O)_n C3 H4 O2
CCI PMS



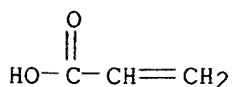
CM 2

CRN 80-62-6
CMF C5 H8 O2



CM 3

CRN 79-10-7
CMF C3 H4 O2



L141 ANSWER 17 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1995:938171 HCAPLUS

DN 123:322179

TI Use of bicontinuous **microemulsions** as pressure sensitive adhesives

IN Dietz, Timothy M.; Lu, Ying-Yuh; Uy, Rosa; Young, Chung I.

PA **Minnesota Mining and Mfg. Co., USA**

SO PCT Int. Appl., 72 pp.

CODEN: PIXXD2

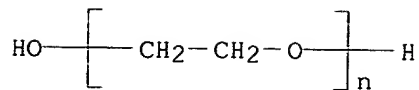
DT Patent

LA English

FAN.CNT 3

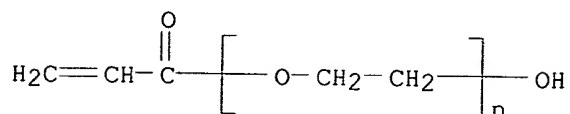
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9520634 | A1 | 19950803 | WO 1995-US221 | 19950106 |
| | W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ | | | | |
| | RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2179907 | AA | 19950803 | CA 1995-2179907 | 19950106 |
| | AU 9515995 | A1 | 19950815 | AU 1995-15995 | 19950106 |
| | EP 741765 | A1 | 19961113 | EP 1995-907996 | 19950106 |
| | EP 741765 | B1 | 19990428 | | |
| | R: DE, DK, FR, GB, IT | | | | |
| | CN 1139946 | A | 19970108 | CN 1995-191349 | 19950106 |
| | JP 09509196 | T2 | 19970916 | JP 1995-520058 | 19950106 |
| | US 5674561 | A | 19971007 | US 1995-567814 | 19951206 |
| PRAI | US 1994-188269 | | 19940128 | | |
| | WO 1995-US221 | | 19950106 | | |
| AB | A polymd. microemulsion pressure sensitive adhesive (PSA) compn. is described. The compn. preferably has a bicontinuous structure of a continuous phase of a hydrophobic pressure sensitive adhesive polymer and a continuous phase of a hydrophilic polymer. The bulk properties of both polymers are retained in the bicontinuous structure. The compn. is prepd. from a microemulsion comprising a free-radically ethylenically unsatd. polar amphiphilic or hydrophilic monomer or oligomer in the aq. phase, a free-radically ethylenically unsatd. hydrophobic monomer, having a glass transition temp. suitable for forming a pressure sensitive adhesive, in the oil phase, water, and surfactant. Uses for the pressure sensitive adhesive compn. include biomedical articles, such as biomedical electrodes, medical skin coverings, and pharmaceutical delivery devices. A microemulsion contained acrylic acid 0.87, AM90G ester (poly(ethylene oxide)acrylate) 2.03, isooctyl acrylate 1.25, 2,2-dimethyl-2-phenyl-acetophenone 0.02, Brij 76 0.73, KCl 0.04, and water 0.83g. | | | | |
| IT | 25322-68-3, Peg 26403-58-7, Polyethylene glycol acrylate 29590-42-9, Isooctyl acrylate RL: POF (Polymer in formulation); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (use of bicontinuous microemulsions as pressure sensitive adhesives) | | | | |
| RN | 25322-68-3 HCAPLUS | | | | |
| CN | Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX | | | | |

NAME)



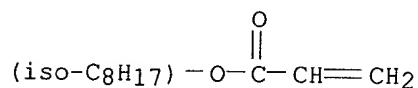
RN 26403-58-7 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxy-(9CI) (CA INDEX NAME)



RN 29590-42-9 HCAPLUS

CN 2-Propenoic acid, isooctyl ester (9CI) (CA INDEX NAME)



L141 ANSWER 18 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1995:573942 HCAPLUS

DN 122:308762

TI Storage and dilution of stable aqueous dispersions

IN Mulqueen, Patrick Joseph; Banks, Graham; Lubetkin, Steven Duff; Fowles, Andrew Mark

PA Dowelanco, USA

SO PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | WO 9507614 | A1 | 19950323 | WO 1994-US10416 | 19940914 |
| | W: | AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, UA, US, UZ | | | |
| | RW: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | |
| | CA 2171848 | AA | 19950323 | CA 1994-2171848 | 19940914 |
| | AU 9478355 | A1 | 19950403 | AU 1994-78355 | 19940914 |
| | AU 691835 | B2 | 19980528 | | |
| | BR 9407501 | A | 19960625 | BR 1994-7501 | 19940914 |
| | EP 719086 | A1 | 19960703 | EP 1994-929214 | 19940914 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE | | | |
| | HU 74022 | A2 | 19961028 | HU 1996-655 | 19940914 |
| | HU 217665 | B | 20000328 | | |
| | JP 09510180 | T2 | 19971014 | JP 1995-509350 | 19940914 |
| | ZA 9407147 | A | 19960315 | ZA 1994-7147 | 19940915 |
| | IL 110993 | A1 | 19980715 | IL 1994-110993 | 19940918 |
| | US 6074986 | A | 20000613 | US 1996-615326 | 19960802 |
| PRAI | GB 1993-19129 | A | 19930915 | | |
| | WO 1994-US10416 | W | 19940914 | | |

AB A formulation e.g., a pesticidal formulation in the form of a dispersion comprising a continuous aq. phase, and a discontinuous phase comprising a non-aq. material capable of transport through the aq. phase to cause Ostwald ripening of the dispersion, wherein there is contained within the discontinuous phase a pesticidal material, which may or may not be the said non-aq. material, wherein the discontinuous phase comprises a stabilizer in an amt. sufficient to depress migration of the non-aq. material through the aq. phase, and thereby diminish or prevent Ostwald ripening of the dispersion, characterized in that the stabilizer has a mol. wt. of not more than 10,000, and is sol. in the discontinuous phase, but insol. in and not transportable through the aq. phase. The prodn. of the formulation can be carried out in a metered in-line mixing plant, since the thermodyn. of the mixing process of such that the particle size tends to a predictable value.

IT 9003-11-6, Ethyleneoxide/propyleneoxide copolymer

25322-69-4, Polypropylene glycol 25639-21-8,

Polyoctadecylmethacrylate 111740-36-4, Atlox 4913

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(pesticidal stable aq. dispersions)

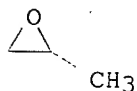
RN 9003-11-6 HCAPLUS

CN Oxirane, methyl-, polymer with oxirane (9CI) (CA INDEX NAME)

CM 1

CRN 75-56-9

CMF C3 H6 O



CM 2

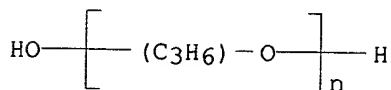
CRN 75-21-8

CMF C2 H4 O



RN 25322-69-4 HCAPLUS

CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- (9CI)
(CA INDEX NAME)



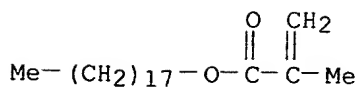
RN 25639-21-8 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, octadecyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 32360-05-7

CMF C22 H42 O2



RN 111740-36-4 HCAPLUS

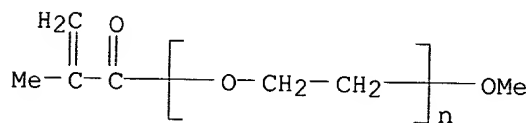
CN 2-Propenoic acid, 2-methyl-, polymer with methyl 2-methyl-2-propenoate and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl), graft (9CI) (CA INDEX NAME)

CM 1

CRN 26915-72-0

CMF (C2 H4 O)_n C5 H8 O2

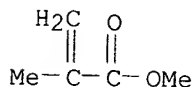
CCI PMS



CM 2

CRN 80-62-6

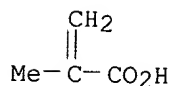
CMF C5 H8 O2



CM 3

CRN 79-41-4

CMF C4 H6 O2



L141 ANSWER 19 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1995:520281 HCAPLUS

DN 122:267420

TI Tacky microspheres having pendant hydrophilic polymeric or oligomeric moieties

IN Delgado, Joaquin; Goetz, Richard J.; Silver, Spencer F.

PA Minnesota Mining and Mfg. Co., USA

SO PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.

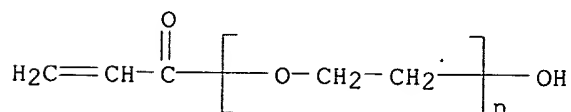
KIND

DATE

APPLICATION NO.

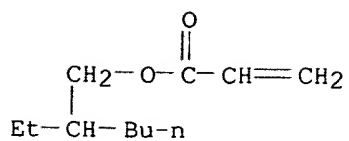
DATE

PI WO 9413751 A1 19940623 WO 1993-US11967 19931209
W: AU, BR, CA, CZ, HU, JP, KR, NO, PL, RU
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
CA 2150122 AA 19940623 CA 1993-2150122 19931209
AU 9458707 A1 19940704 AU 1994-58707 19931209
AU 684741 B2 19980108
EP 673402 A1 19950927 EP 1994-904828 19931209
EP 673402 B1 19970226
R: BE, CH, DE, ES, FR, GB, IT, LI, PT, SE
JP 08504477 T2 19960514 JP 1993-514397 19931209
HU 73035 A2 19960628 HU 1995-1686 19931209
ES 2098919 T3 19970501 ES 1994-904828 19931209
PL 174424 B1 19980731 PL 1993-309335 19931209
BR 9307617 A 19990615 BR 1993-7617 19931209
CN 1089952 A 19940727 CN 1993-121689 19931210
CN 1050134 B 20000308
US 5508313 A 19960416 US 1994-333362 19941102
NO 9502298 A 19950612 NO 1995-2298 19950609
PRAI US 1992-989101 A 19921211
WO 1993-US11967 W 19931209
AB The invention provides inherently tacky, polymeric, org., solvent-insol., solvent-dispersible, elastomeric, pressure-sensitive adhesive microspheres having d.p. .gtoreq.2. The microspheres which are sterically stabilized can offer enhanced stability against coagulation caused by alkali, alkali salts, polyelectrolytes and repeated freeze/thaw cycles. The present invention also provides pressure-sensitive adhesives comprising these microspheres including aerosol spray PSAs, coated sheet materials prepd. therefrom, and method of making the microspheres.
IT 57047-42-4P 96613-21-7P 106858-20-2P
162735-59-3P 162735-60-6P 162735-61-7P
162735-62-8P 162735-63-9P 162735-64-0P
162735-65-1P 162735-66-2P 162735-67-3P
162735-68-4P 162735-69-5P 162735-70-8P
162735-71-9P 162735-72-0P 162735-73-1P
162735-74-2P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(tacky microspheres having pendant hydrophilic polymeric moieties for pressure-sensitive adhesives)
RN 57047-42-4 HCAPLUS
CN 2-Propenoic acid, polymer with 2-ethylhexyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)
CM 1
CRN 26403-58-7
CMF (C2 H4 O)n C3 H4 O2
CCI PMS



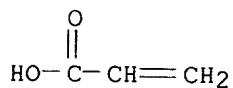
CM 2

CRN 103-11-7
CMF C11 H20 O2



CM 3

CRN 79-10-7
CMF C3 H4 O2

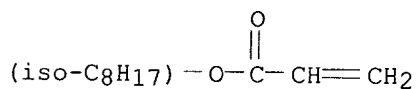


RN 96613-21-7 HCAPLUS

CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and
.alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-
ethanediyl) (9CI) (CA INDEX NAME)

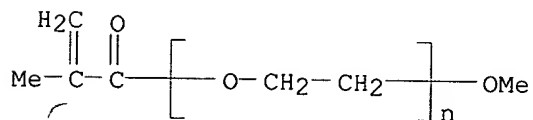
CM 1

CRN 29590-42-9
CMF C11 H20 O2
CCI IDS
CDES 8:ID, ISO



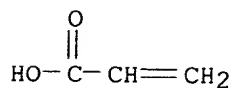
CM 2

CRN 26915-72-0
CMF (C2 H4 O)n C5 H8 O2
CCI PMS



CM 3

CRN 79-10-7
CMF C3 H4 O2



RN 106858-20-2 HCAPLUS

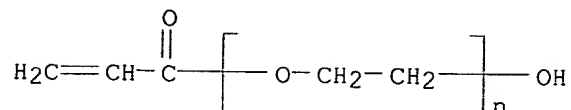
CN 2-Propenoic acid, polymer with butyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 26403-58-7

CMF (C2 H4 O)n C3 H4 O2

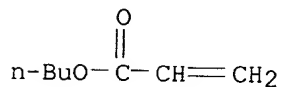
CCI PMS



CM 2

CRN 141-32-2

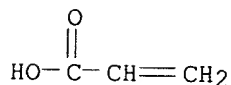
CMF C7 H12 O2



CM 3

CRN 79-10-7

CMF C3 H4 O2



RN 162735-59-3 HCAPLUS

CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

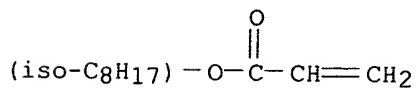
CM 1

CRN 29590-42-9

CMF C11 H20 O2

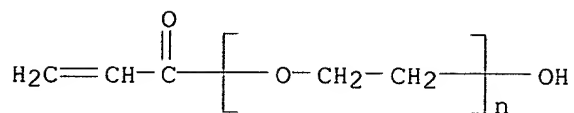
CCI IDS

CDES 8:ID, ISO



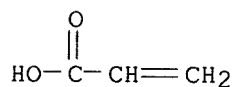
CM 2

CRN 26403-58-7
 CMF (C2 H4 O)_n C3 H4 O2
 CCI PMS



CM 3

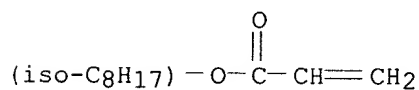
CRN 79-10-7
 CMF C3 H4 O2



RN 162735-60-6 HCAPLUS
 CN 2-Propenoic acid, polymer with ethenyl acetate, isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI)
 (CA INDEX NAME)

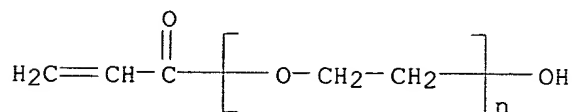
CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



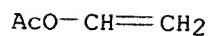
CM 2

CRN 26403-58-7
 CMF (C2 H4 O)_n C3 H4 O2
 CCI PMS



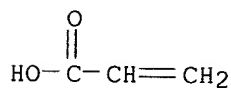
CM 3

CRN 108-05-4
 CMF C4 H6 O2



CM 4

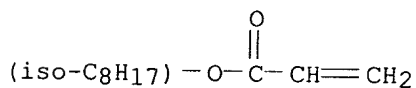
CRN 79-10-7
CMF C3 H4 O2



RN 162735-61-7 HCAPLUS
CN 2-Propenoic acid, polymer with ethenylbenzene, isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI)
(CA INDEX NAME)

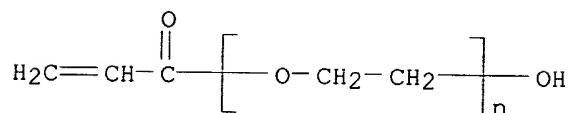
CM 1

CRN 29590-42-9
CMF C11 H20 O2
CCI IDS
CDES 8:ID, ISO



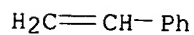
CM 2

CRN 26403-58-7
CMF (C2 H4 O)_n C3 H4 O2
CCI PMS



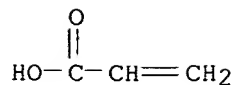
CM 3

CRN 100-42-5
CMF C8 H8



CM 4

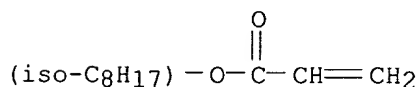
CRN 79-10-7
CMF C3 H4 O2



RN 162735-62-8 HCAPLUS
 CN Butanedioic acid, methylene-, polymer with isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

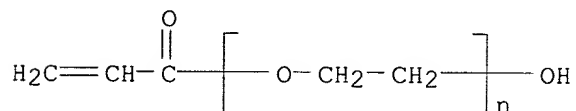
CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



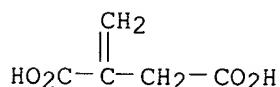
CM 2

CRN 26403-58-7
 CMF (C2 H4 O)_n C3 H4 O2
 CCI PMS



CM 3

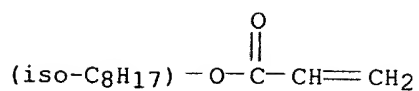
CRN 97-65-4
 CMF C5 H6 O4



RN 162735-63-9 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO

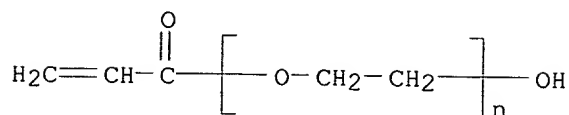


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

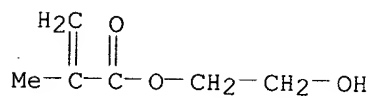
CCI PMS



CM 3

CRN 868-77-9

CMF C6 H10 O3



RN 162735-64-0 HCAPLUS

CN 2-Butenedioic acid (2Z)-, polymer with isooctyl 2-propenoate and
 .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI)
 (CA INDEX NAME)

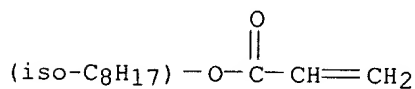
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

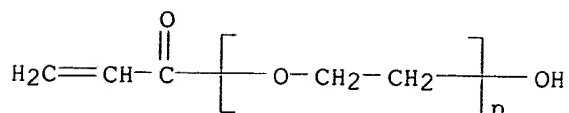


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

CCI PMS



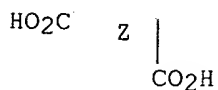
CM 3

CRN 110-16-7

CMF C4 H4 O4

CDES 2:Z

Double bond geometry as shown.



RN 162735-65-1 HCAPLUS

CN 2-Propenoic acid, isooctyl ester, polymer with 1-ethenyl-2-pyrrolidinone and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

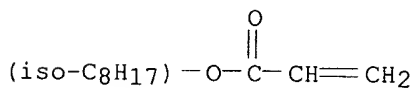
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID, ISO

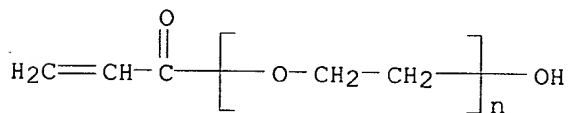


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

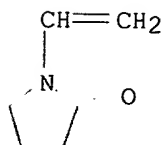
CCI PMS



CM 3

CRN 88-12-0

CMF C6 H9 N O



RN 162735-66-2 HCAPLUS

CN 2-Propenoic acid, isooctyl ester, polymer with ammonium 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI)
(CA INDEX NAME)

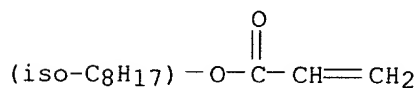
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

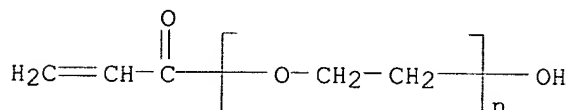


CM 2

CRN 26403-58-7

CMF (C2 H4 O)n C3 H4 O2

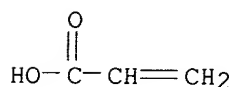
CCI PMS



CM 3

CRN 10604-69-0

CMF C3 H4 O2 . H3 N



● NH3

RN 162735-67-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI)
(CA INDEX NAME)

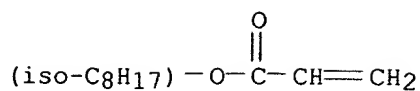
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

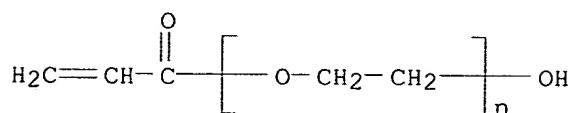


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

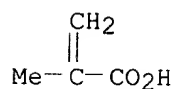
CCI PMS



CM 3

CRN 79-41-4

CMF C4 H6 O2



RN 162735-68-4 HCAPLUS

CN 2-Propenoic acid, isooctyl ester, polymer with .alpha.-(1-oxo-2-propenyl)-
.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

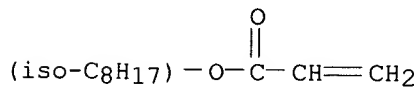
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID, ISO

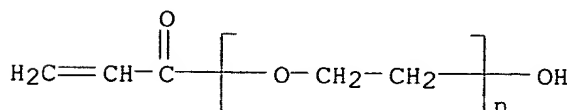


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

CCI PMS



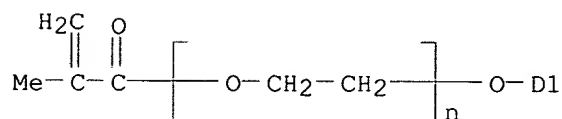
RN 162735-69-5 HCAPLUS
 CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and
 .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-(nonylphenoxy)poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 50974-49-7
 CMF (C2 H4 O)_n C19 H28 O2
 CCI IDS, PMS
 CDES 8:ID

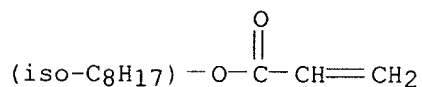


D1--(CH₂)₈-Me



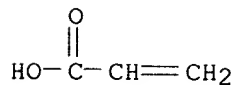
CM 2

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



CM 3

CRN 79-10-7
 CMF C3 H4 O2

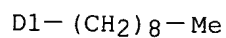
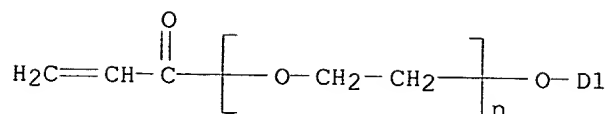


RN 162735-70-8 HCAPLUS
 CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and
 .alpha.-(1-oxo-2-propenyl)-.omega.-(nonylphenoxy)poly(oxy-1,2-ethanediyl)
 (9CI) (CA INDEX NAME)

CM 1

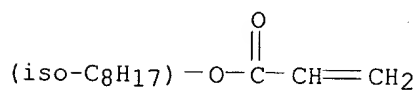
CRN 50974-47-5

CMF (C2 H4 O)_n C18 H26 O2
 CCI IDS, PMS
 CDES 8:ID



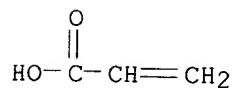
CM 2

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



CM 3

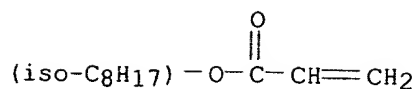
CRN 79-10-7
 CMF C3 H4 O2



RN 162735-71-9 HCAPLUS
 CN 2-Propenoic acid, polymer with diethenylbenzene, isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI)
 (CA INDEX NAME)

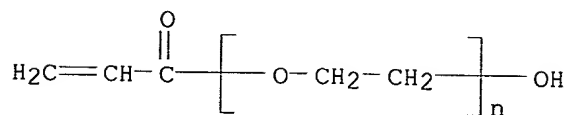
CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



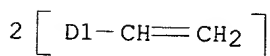
CM 2

CRN 26403-58-7
 CMF (C2 H4 O)_n C3 H4 O2
 CCI PMS



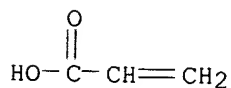
CM 3

CRN 1321-74-0
 CMF C10 H10
 CCI IDS
 CDES 8:ID



CM 4

CRN 79-10-7
 CMF C3 H4 O2

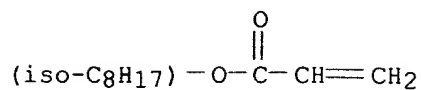


RN 162735-72-0 HCAPLUS
 CN 2-Propenoic acid, polymer with isooctyl 2-propenoate, .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl) and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS

CDES 8:ID,ISO

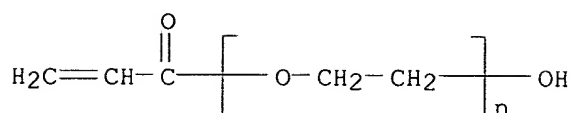


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

CCI PMS

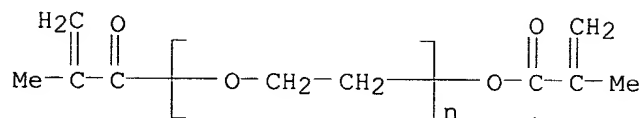


CM 3

CRN 25852-47-5

CMF (C2 H4 O)_n C8 H10 O3

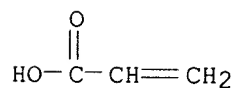
CCI PMS



CM 4

CRN 79-10-7

CMF C3 H4 O2



RN 162735-73-1 HCAPLUS

CN 2-Propenoic acid, polymer with 1,6-hexanediyl di-2-propenoate, isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

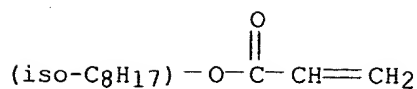
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CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

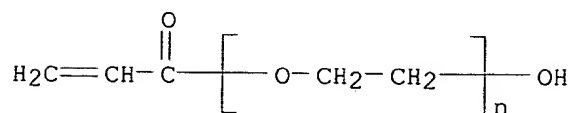


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

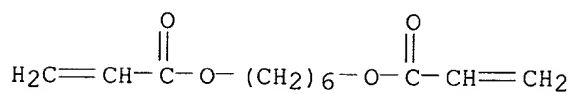
CCI PMS



CM 3

CRN 13048-33-4

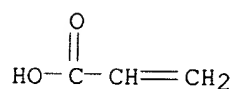
CMF C12 H18 O4



CM 4

CRN 79-10-7

CMF C3 H4 O2



RN 162735-74-2 HCAPLUS

CN 2-Propenoic acid, 1,4-butanediyl ester, polymer with 1-ethenyl-2-pyrrolidinone, isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

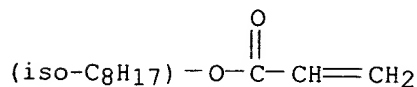
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

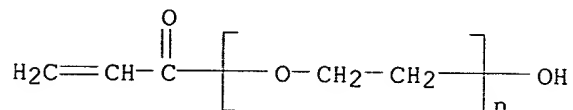


CM 2

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

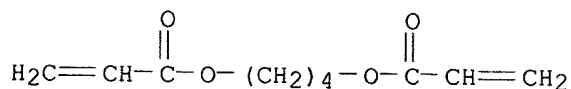
CCI PMS



CM 3

CRN 1070-70-8

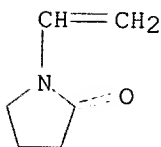
CMF C10 H14 O4



CM 4

CRN 88-12-0

CMF C6 H9 N O



L141 ANSWER 20 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1994:166261 HCAPLUS

DN 120:166261

TI Removable pressure-sensitive adhesive showing high shear and low peel adhesion and adhesive transfer and adhesive tapes containing it

IN Ginkel, Scott T.; Jorgensen, Jens L.; Schulte, Daniel C.

PA Minnesota Mining and Mfg. Co., USA

SO PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 9314171 | A1 | 19930722 | WO 1993-US192 | 19930112 |
| | W: AU, CA, HU, JP, KR | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | AU 9334410 | A1 | 19930803 | AU 1993-34410 | 19930112 |
| | ZA 9300200 | A | 19940712 | ZA 1993-200 | 19930112 |
| | EP 623160 | A1 | 19941109 | EP 1993-903053 | 19930112 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE | | | | |
| | JP 07503035 | T2 | 19950330 | JP 1993-512600 | 19930112 |
| | HU 68125 | A2 | 19950529 | HU 1994-2138 | 19930112 |

PRAI US 1992-823257 19920121
 WO 1993-US192 19930112
 AB The title adhesive comprises a copolymer of non-tertiary alkyl **acrylates** and homopolymerizable **vinyl emulsifier** monomers having hydrophobic and hydrophilic groups and 5-40 carbon atoms, infusible tacky elastomeric microspheres, and a resin having high adhesion and static shear. An adhesive contained **isooctyl acrylate-N-(tert-octyl)acrylamide-Na styrenesulfonate** copolymer, **isooctyl acrylate-N-vinylpyrrolidone** copolymer microspheres, and Flexcryl 1625 (2-ethylhexyl **acrylate-Me methacrylate-vinyl acetate** copolymer).

L141 ANSWER 21 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1994:144136 HCAPLUS

DN 120:144136

TI Water-soluble polymeric carriers for drug delivery

IN Desai, Neil P.; Soon-Shiong, Patrick; Sandford, Paul A.

PA Clover Consolidated, Ltd., Switz.

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9324476 | A1 | 19931209 | WO 1993-US5344 | 19930604 |
| | W: AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9344067 | A1 | 19931230 | AU 1993-44067 | 19930604 |
| | US 5648506 | A | 19970715 | US 1995-464270 | 19950605 |
| PRAI | US 1992-893500 | | 19920604 | | |
| | WO 1993-US5344 | | 19930604 | | |

AB Polymeric drug delivery systems in which the drug, e.g. taxol (I), is bound to a water-sol. polymer, e.g. PEG, to provide a form of sol. drug delivery esp. for those cases in which the drug by itself is water-insol are disclosed. I in CHCl₃ was mixed with 1,1,-carbonyldiimidazole (II) to obtain I-II deriv. which was sepd. and reacted with monomethoxy **polyethylene glycol** amine to obtain I-PEG deriv. Cross-linked insol. gels of these materials are also prepd. to serve as a form of implantable drug delivery.

IT 108644-38-8P

RL: RCT (Reactant); PREP (Preparation)
 (prepn. and coupling of, with taxol)

RN 108644-38-8 HCAPLUS

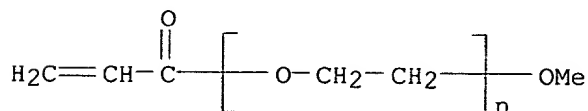
CN 2-Propenoic acid, polymer with .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

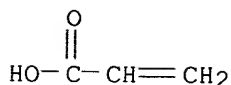
CRN 32171-39-4

CMF (C2 H4 O)_n C4 H6 O2

CCI PMS



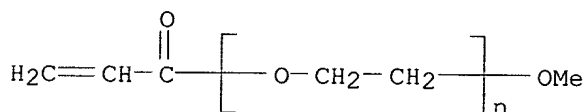
CM 2

CRN 79-10-7
CMF C3 H4 O2

IT 32171-39-4P

RL: RCT (Reactant); PREP (Preparation)
(prepn. and polymn. of)

RN 32171-39-4 HCAPLUS

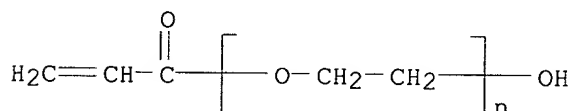
CN Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxo-2-propenyl)-.omega.-methoxy-
(9CI) (CA INDEX NAME)

IT 26403-58-7DP, conjugates with succinyl taxol

RL: PREP (Preparation)

(prepn. of, for sustained-release drug delivery system)

RN 26403-58-7 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxy-
(9CI) (CA INDEX NAME)

L141 ANSWER 22 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1993:651720 HCAPLUS

DN 119:251720

TI Nonionic, pH-neutral **acrylate** copolymer latexes for
pressure-sensitive adhesives for coated sheets

IN Crandall, Michael D.; Nelson, Robert L.

PA **Minnesota Mining and Mfg. Co., USA**

SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

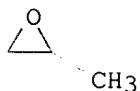
DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-----------------------|------|----------|-----------------|----------|
| PI | EP 546746 | A1 | 19930616 | EP 1992-310913 | 19921130 |
| | EP 546746 | B1 | 19980715 | | |
| | R: DE, FR, GB, IT, SE | | | | |
| | US 5424122 | A | 19950613 | US 1991-804296 | 19911209 |
| | CA 2083625 | AA | 19930610 | CA 1992-2083625 | 19921124 |
| | AU 9229764 | A1 | 19930610 | AU 1992-29764 | 19921130 |
| | AU 664723 | B2 | 19951130 | | |

JP 05271314 A2 19931019 JP 1992-327736 19921208
 PRAI US 1991-804296 19911209
 AB The title latexes comprises (a) 5-70% nonionic polymers prepd. from 90-99% alkyl **acrylates** and 1-10% nonionic alkyl amide monomers, (b) 30-95% (based on total latex wt.) aq. phase, and (c) 2-10% (based on wt. of a + c) nonionic **emulsifier**. Lauroyl peroxide-initiated **emulsion** polymn. of 32 g N-vinylpyrrolidone and 1568 g **isooctyl acrylate** in the presence of Igepal CA 897 (a nonionic surfactant) gave a copolymer latex, which was coated onto polyester substrates showing 180.degree. peel adhesion (bonded to glass) 2.3 m/min.
 IT 106392-12-5, **Ethylene oxide-propylene oxide** block copolymer
 RL: USES (Uses)
 (surfactants, in **emulsion** polymn. of vinylpyrrolidone with alkyl **acrylates**)
 RN 106392-12-5 HCAPLUS
 CN Oxirane, methyl-, polymer with oxirane, block (9CI) (CA INDEX NAME)
 CM 1
 CRN 75-56-9
 CMF C3 H6 O



CM 2
 CRN 75-21-8
 CMF C2 H4 O



L141 ANSWER 23 OF 25 HCAPLUS COPYRIGHT 2002 ACS
 AN 1989:194238 HCAPLUS
 DN 110:194238
 TI Removable pressure-sensitive adhesive tapes
 IN Winslow, Louis E.
 PA Minnesota Mining and Mfg. Co., USA
 SO Eur. Pat. Appl., 20 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------------------|------|----------|-----------------|----------|
| PI | EP 287306 | A2 | 19881019 | EP 1988-303227 | 19880411 |
| | EP 287306 | A3 | 19900404 | | |
| | EP 287306 | B1 | 19930120 | | |
| | R: DE, ES, FR, GB, IT, SE | | | | |
| | CA 1337315 | A1 | 19951010 | CA 1988-561463 | 19880315 |
| | AU 8813302 | A1 | 19881020 | AU 1988-13302 | 19880318 |
| | AU 595440 | B2 | 19900329 | | |
| | ES 2037220 | T3 | 19930616 | ES 1988-303227 | 19880411 |

| | | | | |
|-------------|----|----------|----------------|----------|
| BR 8801791 | A | 19881116 | BR 1988-1791 | 19880414 |
| JP 01263176 | A2 | 19891019 | JP 1988-92650 | 19880414 |
| JP 2592900 | B2 | 19970319 | | |
| US 5116676 | A | 19920526 | US 1991-702446 | 19910516 |

PRAI US 1987-36550 19870415
 US 1987-111214 19871022
 US 1988-203587 19880527
 US 1989-414714 19890929

AB The title adhesive tapes contain fast-drying adhesives prepd. from vinyl monomers (A) 95-99.9, amphiphilic C5-40 unsatd. surfactants 0.1-5.0, and **polyoxyethylene** phosphates or their salts 0.2-4.0 parts. The A consists of 60-100% non-tert alkyl **acrylates** with the alkyl moiety having .gtoreq.50% of its carbon atoms in a single chain and the av. length of the alkyl chain being 4-12. Thus, a mixt. of **isooctyl acrylate** 130.5, **octylacrylamide** 18.0, Na styrenesulfonate 1.5, 10% aq. K **isooctylphenoxyheptaethoxyphosphat** e 3.0, NaHCO3 0.75, and H2O 182.1 g was heated 16 h at 50.degree., filtered, and coated on a backing paper to give an adhesive tape showing peel strength to a glass surface 42 N/dm, and leaving no adhesive residue after its removal.

L141 ANSWER 24 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1986:95271 HCAPLUS

DN 104:95271

TI Substantive moisturizing compositions

IN Randen, Neil A.

PA **Minnesota Mining and Mfg. Co. , USA**

SO U.S., 10 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | US 4552755 | A | 19851112 | US 1984-611730 | 19840518 |
| AB | Oil-sol. acrylate polymers improve the substantivity to skin of conventional oil-in-water emulsion moisturizing cosmetics, i.e., the cosmetics are not readily removed by water or by abrasion. Thus, a compn. contained isooctyl acrylate-acrylic acid copolymer 3.00, myristyl propionate propoxylate 2.50, iso-Pr palmitate 2.25, mineral oil 2.00, dicapryl adipate 2.00, stearyl alc. propoxylate 1.50, cetyl stearyl alc. 0.85, coconut oil 0.65, cocoa butter 0.25, polydimethylsiloxane 0.25; propylparaben 0.10, glyceryl tallowate ethoxylate 3.00, water 72.50, propylene glycol 3.00, Aloe vera gel 3.00, colloidal Mg Al silicate 2.00, hydroxyethylcellulose 0.50, 1,3-dimethylol-5,5-dimethylhydantoin 0.30, methylparaben 0.20, and fragrance 0.15% by wt. | | | | |
| IT | 9036-63-9 100602-28-6 RL: BIOL (Biological study) (skin-moisturing cosmetic contg., for improved substantivity) | | | | |
| RN | 9036-63-9 HCAPLUS | | | | |
| CN | 2-Propenoic acid, isooctyl ester, homopolymer (9CI) (CA INDEX NAME) | | | | |

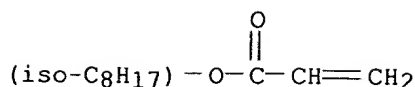
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

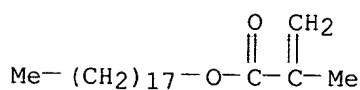
CDES 8:ID,ISO



RN 100602-28-6 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with isooctyl
 2-propenoate (9CI) (CA INDEX NAME)

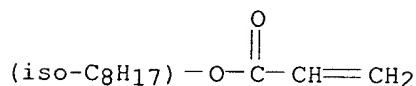
CM 1

CRN 32360-05-7
 CMF C22 H42 O2



CM 2

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID,ISO



L141 ANSWER 25 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1985:226079 HCAPLUS

DN 102:226079

TI Adhesive and adhesive-coated sheet material for moist skin

IN Snyder, William R.; Spence, Cheryl L.

PA Minnesota Mining and Mfg. Co. , USA

SO PCT Int. Appl., 49 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 8403837 | A1 | 19841011 | WO 1984-US506 | 19840406 |
| | W: AU, BR, JP | | | | |
| | RW: AT, BE, CH, DE, FR, GB, LU, NL, SE | | | | |
| | AU 8428609 | A1 | 19841025 | AU 1984-28609 | 19840406 |
| | BR 8406510 | A | 19850312 | BR 1984-6510 | 19840406 |
| | EP 140941 | A1 | 19850515 | EP 1984-901684 | 19840406 |
| | R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE | | | | |
| | JP 60500992 | T2 | 19850704 | JP 1984-501752 | 19840406 |
| PRAI | US 1983-482991 | | 19830407 | | |
| | WO 1984-US506 | | 19840406 | | |

AB A pressure sensitive adhesive and adhesive-coated sheet exhibiting an initial dry skin adhesion of .gtoreq. .apprx.0.75 N/100 mm of width, a dry skin adhesion after 48 h of .ltoreq. .apprx.12 N/100 mm width and a moist skin adhesion of .gtoreq. 2.2 N/100 mm width comprises a hydrophobic

monomeric **acrylate** ester of a **polyoxyalkylene**, a hydrophilic vinyl monomer such as **acrylates**, and a polar monomer. A no. of **polyoxyalkylene acrylates** were prepd., e.g., methoxypoly(**ethylene oxide**) **acrylate** (I) [32171-39-4]. Also a large no. of polymers were prepd. including **isooctyl acrylate-I-acrylic acid copolymer** (80:5:15) [96529-26-9] which had an inherent viscosity of 0.73, initial dry skin adhesion of 1.2, adhesion after 48 h of 2.3, and moist skin adhesion of 3.6 N/100 mm width dry skin. Adhesive-coated sheet materials were prepd. by coating a soln. of the pressure-sensitive adhesive onto a silicone-treated release paper, drying, and then laminating a conventional nonwoven web of rayon staple fibers bonded with an **acrylic** latex binder to the semi-dry adhesive coating. The laminate was then dried.

IT 9078-95-9P 26915-72-0P 32171-39-4P
51247-77-9P

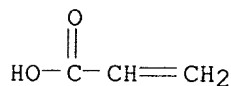
RL: RCT (Reactant); PREP (Preparation)
(prepn. and polymn. of)

RN 9078-95-9 HCAPLUS

CN Oxirane, methyl-, polymer with oxirane, mono-2-propenoate, butyl ether
(9CI) (CA INDEX NAME)

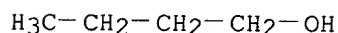
CM 1

CRN 79-10-7
CMF C3 H4 O2



CM 2

CRN 71-36-3
CMF C4 H10 O

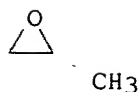


CM 3

CRN 9003-11-6
CMF (C3 H6 O . C2 H4 O)x
CCI PMS

CM 4

CRN 75-56-9
CMF C3 H6 O

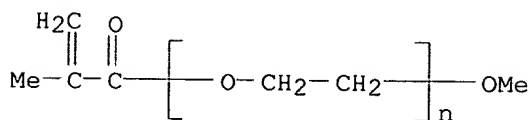


CM 5

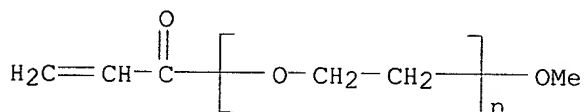
CRN 75-21-8
CMF C2 H4 O



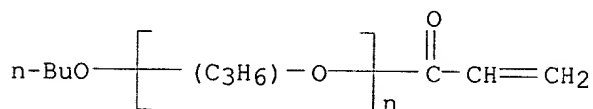
RN 26915-72-0 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-methoxy- (9CI) (CA INDEX NAME)



RN 32171-39-4 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxo-2-propenyl)-.omega.-methoxy- (9CI) (CA INDEX NAME)



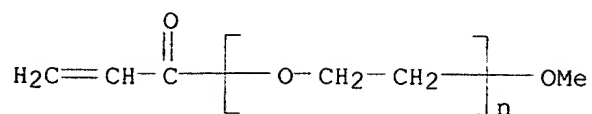
RN 51247-77-9 HCAPLUS
CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(1-oxo-2-propenyl)-.omega.-butoxy- (9CI) (CA INDEX NAME)



IT 96527-42-3P 96527-43-4P 96527-44-5P
96529-20-3P 96529-21-4P 96529-22-5P
96529-23-6P 96529-24-7P 96529-25-8P
96529-26-9P 96529-27-0P 96537-59-6P
96542-70-0P 96613-21-7P
RL: PREP (Preparation)
(prepn. of, as surgical adhesive, for moist skin)
RN 96527-42-3 HCAPLUS
CN 2-Propenoic acid, polymer with 2-ethylhexyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

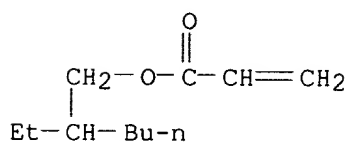
CRN 32171-39-4
CMF (C2 H4 O)n C4 H6 O2
CCI PMS



CM 2

CRN 103-11-7

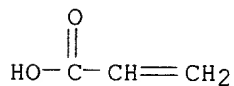
CMF C11 H20 O2



CM 3

CRN 79-10-7

CMF C3 H4 O2



RN 96527-43-4 HCAPLUS

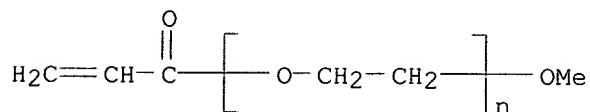
CN 2-Propenoic acid, polymer with butyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)_n C4 H6 O2

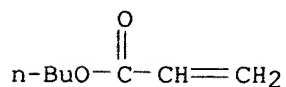
CCI PMS



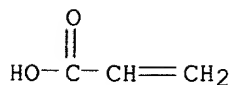
CM 2

CRN 141-32-2

CMF C7 H12 O2



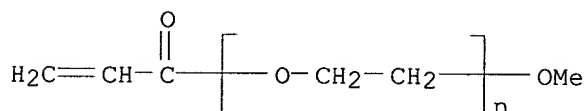
CM 3

CRN 79-10-7
CMF C3 H4 O2

RN 96527-44-5 HCAPLUS
 CN 2-Propenoic acid, polymer with dodecyl 2-propenoate and
 .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI)
 (CA INDEX NAME)

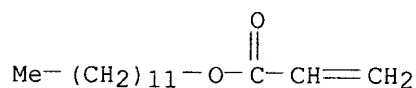
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CRN 32171-39-4
 CMF (C2 H4 O)_n C4 H6 O2
 CCI PMS



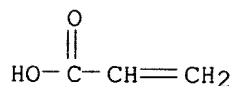
CM 2

CRN 2156-97-0
 CMF C15 H28 O2



CM 3

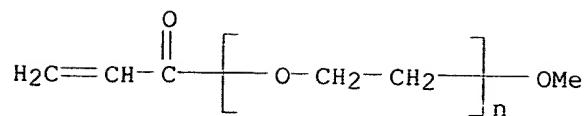
CRN 79-10-7
 CMF C3 H4 O2



RN 96529-20-3 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, polymer with isooctyl 2-propenoate and
 .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI)
 (CA INDEX NAME)

CM 1

CRN 32171-39-4
 CMF (C2 H4 O)_n C4 H6 O2
 CCI PMS



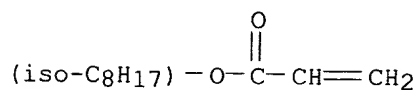
CM 2

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

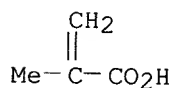
CDES 8:ID, ISO



CM 3

CRN 79-41-4

CMF C4 H6 O2



RN 96529-21-4 HCAPLUS

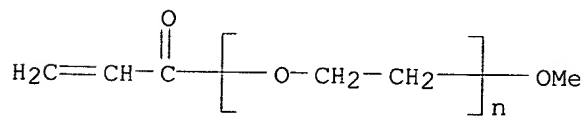
CN 2-Propenoic acid, isooctyl ester, polymer with 2-methyl-2-propenamide and .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI)
(CA INDEX NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)_n C4 H6 O2

CCI PMS



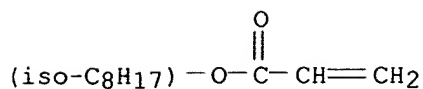
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CCI IDS

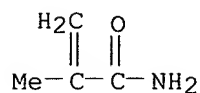
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CM 3

CRN 79-39-0

CMF C4 H7 N O



RN 96529-22-5 HCAPLUS

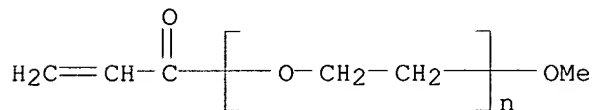
CN 2-Propenoic acid, isooctyl ester, polymer with .alpha.-(1-oxo-2-propenyl)-
.omega.-methoxypoly(oxy-1,2-ethanediyl) and 2-propenamide (9CI) (CA INDEX
NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)_n C4 H6 O2

CCI PMS



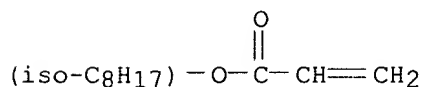
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CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

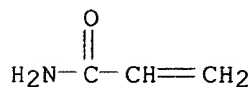
CDES 8:ID, ISO



CM 3

CRN 79-06-1

CMF C3 H5 N O



RN 96529-23-6 HCAPLUS

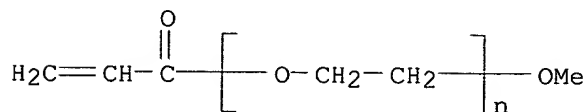
CN 2-Propenoic acid, isooctyl ester, polymer with N-(1,1-dimethylethyl)-2-propenamide and .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4

CMF (C2 H4 O)n C4 H6 O2

CCI PMS



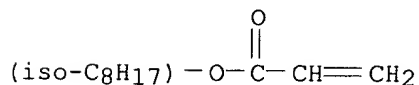
CM 2

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

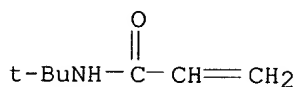
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CM 3

CRN 107-58-4

CMF C7 H13 N O



RN 96529-24-7 HCAPLUS

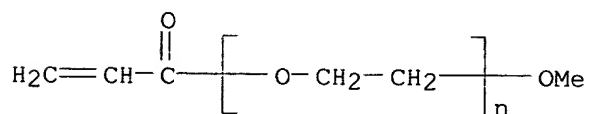
CN Butanedioic acid, methylene-, polymer with isooctyl 2-propenoate and .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4

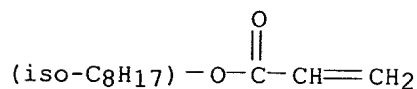
CMF (C2 H4 O)n C4 H6 O2

CCI PMS



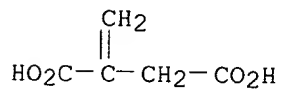
CM 2

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



CM 3

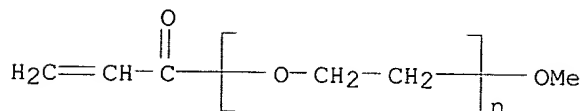
CRN 97-65-4
 CMF C5 H6 O4



RN 96529-25-8 HCAPLUS
 CN 2-Propenoic acid, isooctyl ester, polymer with 1-ethenyl-2-pyrrolidinone and .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

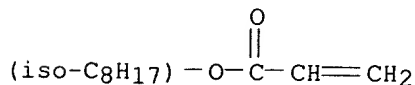
CM 1

CRN 32171-39-4
 CMF (C2 H4 O)_n C4 H6 O2
 CCI PMS



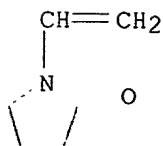
CM 2

CRN 29590-42-9
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 CCI IDS
 CDES 8:ID, ISO



CM 3

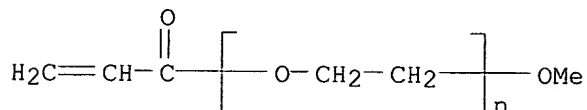
CRN 88-12-0
 CMF C6 H9 N O



RN 96529-26-9 HCAPLUS
 CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and
 .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI)
 (CA INDEX NAME)

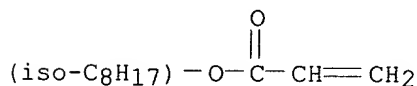
CM 1

CRN 32171-39-4
 CMF (C2 H4 O)n C4 H6 O2
 CCI PMS



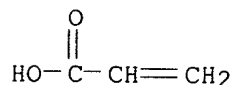
CM 2

CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID,ISO



CM 3

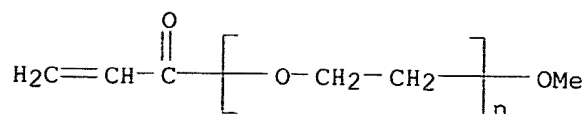
CRN 79-10-7
 CMF C3 H4 O2



RN 96529-27-0 HCAPLUS
 CN 2-Propenoic acid, polymer with butyl 2-propenoate, isooctyl 2-propenoate
 and .alpha.-(1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl)
 (9CI) (CA INDEX NAME)

CM 1

CRN 32171-39-4
 CMF (C2 H4 O)n C4 H6 O2
 CCI PMS



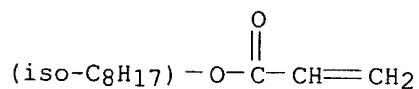
CM 2

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

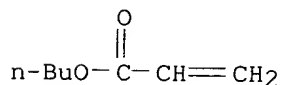
CDES 8:ID, ISO



CM 3

CRN 141-32-2

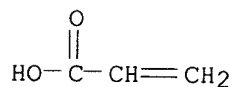
CMF C7 H12 O2



CM 4

CRN 79-10-7

CMF C3 H4 O2



RN 96537-59-6 HCAPLUS

CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and methyloxirane
 polymer with oxirane mono-2-propenoate butyl ether (9CI) (CA INDEX NAME)

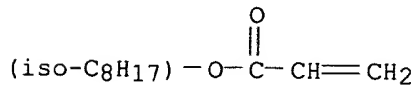
CM 1

CRN 29590-42-9

CMF C11 H20 O2

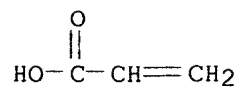
CCI IDS

CDES 8:ID, ISO



CM 2

CRN 79-10-7
CMF C3 H4 O2

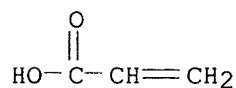


CM 3

CRN 9078-95-9
CMF C4 H10 O . (C3 H6 O . C2 H4 O)x . C3 H4 O2
CDES 8:GD,ESTER,ETHER

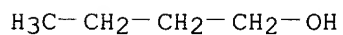
CM 4

CRN 79-10-7
CMF C3 H4 O2



CM 5

CRN 71-36-3
CMF C4 H10 O



CM 6

CRN 9003-11-6
CMF (C3 H6 O . C2 H4 O)x
CCI PMS

CM 7

CRN 75-56-9
CMF C3 H6 O



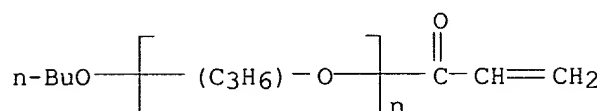
CH3

CM 8

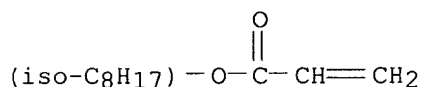
CRN 75-21-8
CMF C2 H4 O



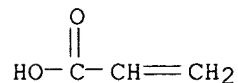
RN 96542-70-0 HCAPLUS
 CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and
 .alpha.-(1-oxo-2-propenyl)-.omega.-butoxypoly[oxy(methyl-1,2-ethanediyl)]
 (9CI) (CA INDEX NAME)
 CM 1
 CRN 51247-77-9
 CMF (C3 H6 O)_n C7 H12 O2
 CCI IDS, PMS
 CDES 8:ID



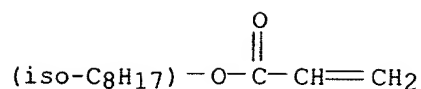
CM 2
 CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO



CM 3
 CRN 79-10-7
 CMF C3 H4 O2



RN 96613-21-7 HCAPLUS
 CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and
 .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-
 ethanediyl) (9CI) (CA INDEX NAME)
 CM 1
 CRN 29590-42-9
 CMF C11 H20 O2
 CCI IDS
 CDES 8:ID, ISO

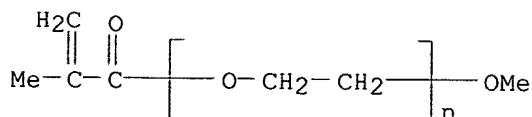


CM 2

CRN 26915-72-0

CMF (C2 H4 O)_n C5 H8 O2

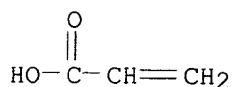
CCI PMS



CM 3

CRN 79-10-7

CMF C3 H4 O2



=> fil reg

FILE 'REGISTRY' ENTERED AT 09:16:30 ON 24 APR 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 22 APR 2002 HIGHEST RN 406672-48-8

DICTIONARY FILE UPDATES: 22 APR 2002 HIGHEST RN 406672-48-8

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d ide can tot 1142

L142 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2002 ACS

RN 29590-42-9 REGISTRY

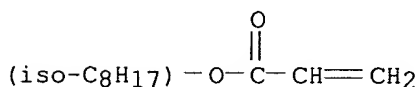
CN 2-Propenoic acid, isooctyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acrylic acid, isooctyl ester (6CI, 8CI)

OTHER NAMES:

CN Isooctyl acrylate
 CN SR 440
 DR 159474-76-7
 MF C11 H20 O2
 CI IDS, COM
 LC STN Files: BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, CSNB, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, NIOSHTIC, PROMT, RTECS*, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



103 REFERENCES IN FILE CA (1967 TO DATE)
 51 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 103 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:233658
 REFERENCE 2: 136:201910
 REFERENCE 3: 136:168721
 REFERENCE 4: 136:168695
 REFERENCE 5: 136:71120
 REFERENCE 6: 135:304907
 REFERENCE 7: 135:289852
 REFERENCE 8: 135:289833
 REFERENCE 9: 135:258620
 REFERENCE 10: 135:200513

L142 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2002 ACS

RN 9036-63-9 REGISTRY

CN 2-Propenoic acid, isooctyl ester, homopolymer (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acrylic acid, isooctyl ester, polymers (8CI)

OTHER NAMES:

CN Isooctyl acrylate homopolymer

CN Isooctyl acrylate polymer

CN Poly(isooctyl acrylate)

MF (C11 H20 O2)x

CI PMS

PCT Polyacrylic

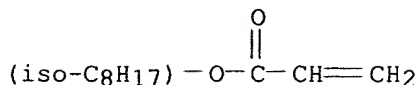
LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, USPATFULL

Other Sources: NDSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 29590-42-9
CMF C11 H20 O2
CCI IDS



51 REFERENCES IN FILE CA (1967 TO DATE)
51 REFERENCES IN FILE CAPLUS (1967 TO DATE)

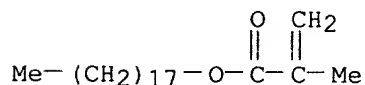
REFERENCE 1: 136:135925
REFERENCE 2: 132:251900
REFERENCE 3: 132:153996
REFERENCE 4: 131:342012
REFERENCE 5: 131:341838
REFERENCE 6: 131:318955
REFERENCE 7: 131:145276
REFERENCE 8: 130:238472
REFERENCE 9: 130:230004
REFERENCE 10: 129:182065

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L143 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2002 ACS
RN 116697-32-6 REGISTRY
CN 2-Propenoic acid, 2-methyl-, octadecyl ester, homopolymer, isotactic
(9CI) (CA INDEX NAME)
MF (C22 H42 O2)x
CI PMS
PCT Polyacrylic
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 32360-05-7
CMF C22 H42 O2



3 REFERENCES IN FILE CA (1967 TO DATE)
3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 115:257185
REFERENCE 2: 115:257084

REFERENCE 3: 109:150425

L143 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2002 ACS

RN 32360-05-7 REGISTRY

CN 2-Propenoic acid, 2-methyl-, octadecyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Methacrylic acid, octadecyl ester (6CI, 8CI)

OTHER NAMES:

CN Acryester S

CN Blemmer SMA

CN Light Ester S

CN NK Ester S

CN Octadecyl methacrylate

CN SR 324

CN SR 324 (methacrylate)

CN Stearyl methacrylate

FS 3D CONCORD

DR 167633-23-0, 112-08-3, 55778-34-2, 59471-20-4

MF C22 H42 O2

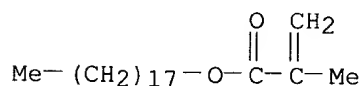
CI COM

LC STN Files: BEILSTEIN*, BIOBUSINESS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, HODOC*, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, ULIDAT, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

386 REFERENCES IN FILE CA (1967 TO DATE)

180 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

386 REFERENCES IN FILE CAPLUS (1967 TO DATE)

7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:233045

REFERENCE 2: 136:215641

REFERENCE 3: 136:205479

REFERENCE 4: 136:201609

REFERENCE 5: 136:167719

REFERENCE 6: 136:71277

REFERENCE 7: 136:14499

REFERENCE 8: 135:358460

REFERENCE 9: 135:348046

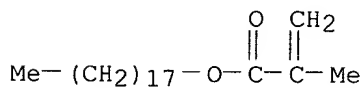
REFERENCE 10: 135:262223

L143 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2002 ACS

RN 25639-21-8 REGISTRY
 CN 2-Propenoic acid, 2-methyl-, octadecyl ester, homopolymer (9CI)
 (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Methacrylic acid, octadecyl ester, polymers (8CI)
 OTHER NAMES:
 CN Octadecyl methacrylate graft homopolymer
 CN Octadecyl methacrylate homopolymer
 CN Octadecyl methacrylate polymer
 CN Poly(n-octadecyl methacrylate)
 CN Poly(octadecyl methacrylate)
 CN Poly(stearyl methacrylate)
 CN Stearyl methacrylate homopolymer
 DR 138232-65-2, 181123-70-6
 MF (C22 H42 O2)x
 CI PMS, COM
 PCT Polyacrylic
 LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, IFICDB, IFIPAT,
 IFIUDB, PIRA, PROMT, TOXCENTER, USPATFULL
 Other Sources: NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 32360-05-7
 CMF C22 H42 O2



311 REFERENCES IN FILE CA (1967 TO DATE)
 45 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 311 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:172844
 REFERENCE 2: 136:167869
 REFERENCE 3: 136:49888
 REFERENCE 4: 136:38777
 REFERENCE 5: 135:358460
 REFERENCE 6: 135:181251
 REFERENCE 7: 135:117235
 REFERENCE 8: 135:46774
 REFERENCE 9: 134:334278
 REFERENCE 10: 134:325264

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L144 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2002 ACS

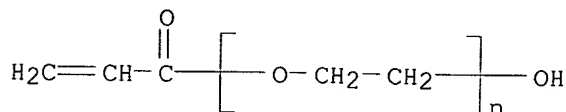
RN 26403-58-7 REGISTRY

CN Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxy-

(9CI) (CA INDEX NAME)

OTHER NAMES:

CN AE 90
 CN Blemmer AE 200
 CN Blemmer AE 350
 CN Blemmer AP 350
 CN Polyethylene glycol acrylate
 CN Polyethylene glycol monoacrylate
 CN RMH 1053
 DR 165593-59-9, 129342-51-4, 295366-02-8
 MF (C2 H4 O)_n C3 H4 O2
 CI PMS, COM
 PCT Polyether
 LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM,
 IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL
 Other Sources: TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



176 REFERENCES IN FILE CA (1967 TO DATE)
 75 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 176 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:234631

REFERENCE 2: 136:25042

REFERENCE 3: 136:2508

REFERENCE 4: 135:264562

REFERENCE 5: 135:167142

REFERENCE 6: 135:78555

REFERENCE 7: 134:331678

REFERENCE 8: 134:297231

REFERENCE 9: 134:242720

REFERENCE 10: 134:223194

L144 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2002 ACS

RN 25736-86-1 REGISTRY

CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxy- (9CI) (CA INDEX NAME)

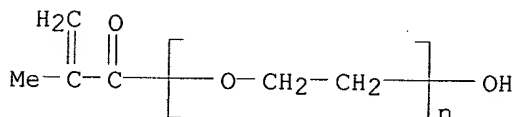
OTHER CA INDEX NAMES:

CN Glycols, polyethylene, monomethacrylate (8CI)
 CN Methacrylic acid, monoester with polyethylene glycol (8CI)

OTHER NAMES:

CN Bisomer 550
 CN Bisomer PEM 6E
 CN Blemmer PE
 CN Blemmer PE 200
 CN Blemmer PE 350
 CN Blemmer PE 400

CN Blemmer PE 90
 CN Blemmer PEG 300
 CN Blemmer PME 2000
 CN HEM 10
 CN HEM 5
 CN MA 100
 CN MA 100 (polyoxyalkylene)
 CN MA 100A
 CN MA 50
 CN MA 50 (polyoxyalkylene)
 CN New Frontier NF-Bisomer PEM 6E
 CN NK Ester M 900G
 CN PM 350G
 CN PM 90G
 CN Polyethylene glycol methacrylate
 CN Polyethylene glycol monomethacrylate
 CN PP 1000
 CN Sipomer HEM 20
 DR 164916-20-5, 162774-76-7, 162774-77-8, 129997-87-1, 133184-08-4,
 97429-31-7, 103285-00-3, 152824-98-1, 118601-61-9, 156932-46-6,
 181319-32-4, 191219-71-3, 320618-60-8
 MF (C2 H4 O)_n C4 H6 O2
 CI PMS, COM
 PCT Polyether
 LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS,
 CHEMLIST, CIN, CSCHEM, IFICDB, IFIPAT, IFIUDB, IPA, PROMT, TOXCENTER,
 USPATFULL, VTB
 Other Sources: NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



396 REFERENCES IN FILE CA (1967 TO DATE)
 144 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 396 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:263638
 REFERENCE 2: 136:234631
 REFERENCE 3: 136:184088
 REFERENCE 4: 136:106323
 REFERENCE 5: 136:89780
 REFERENCE 6: 136:87301
 REFERENCE 7: 136:20043
 REFERENCE 8: 135:293892
 REFERENCE 9: 135:289894
 REFERENCE 10: 135:264562

CN Poly(oxy-1,2-ethanediyl), .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxy-
 , homopolymer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Poly(polyethylene glycol acrylate)

CN Polyethylene glycol monoacrylate homopolymer

MF ((C2 H4 O)_n C3 H4 O2)_x

CI PMS

PCT Polyacrylic, Polyether

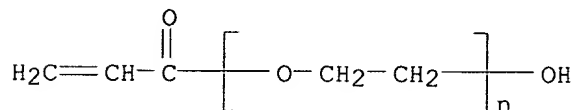
LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, IFICDB, IFIPAT,
 IFIUDB, USPATFULL

CM 1

CRN 26403-58-7

CMF (C2 H4 O)_n C3 H4 O2

CCI PMS



15 REFERENCES IN FILE CA (1967 TO DATE)

4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

15 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 134:223194

REFERENCE 2: 131:123892

REFERENCE 3: 117:192442

REFERENCE 4: 116:155475

REFERENCE 5: 115:51438

REFERENCE 6: 114:103867

REFERENCE 7: 110:31320

REFERENCE 8: 98:181013

REFERENCE 9: 98:113758

REFERENCE 10: 94:158227

L144 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2002 ACS

RN 9016-69-7 REGISTRY

CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-
 hydroxy, homopolymer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Polyethylene glycol monomethacrylate homopolymer

MF ((C2 H4 O)_n C4 H6 O2)_x

CI PMS, COM

PCT Polyacrylic, Polyether

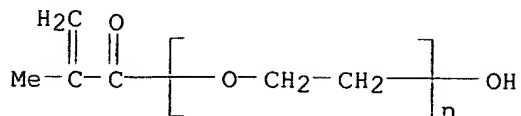
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 25736-86-1

CMF (C2 H4 O)_n C4 H6 O2

CCI PMS



50 REFERENCES IN FILE CA (1967 TO DATE)
 8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 50 REFERENCES IN FILE CAPLUS (1967 TO DATE)

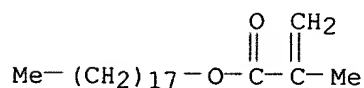
REFERENCE 1: 135:211565
 REFERENCE 2: 135:138721
 REFERENCE 3: 135:21865
 REFERENCE 4: 132:94450
 REFERENCE 5: 132:94449
 REFERENCE 6: 131:324556
 REFERENCE 7: 131:98895
 REFERENCE 8: 131:20265
 REFERENCE 9: 130:155941
 REFERENCE 10: 130:96951

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L66 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
 RN 100602-28-6 REGISTRY
 CN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with isooctyl
 2-propenoate (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2-Propenoic acid, isooctyl ester, polymer with octadecyl
 2-methyl-2-propenoate (9CI)
 MF (C22 H42 O2 . C11 H20 O2)x
 CI PMS
 PCT Polyacrylic
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

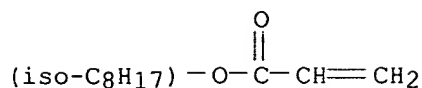
CM 1

CRN 32360-05-7
 CMF C22 H42 O2



CM 2

CRN 29590-42-9
CMF C11 H20 O2
CCI IDS



2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 116:153995

REFERENCE 2: 104:95271

=> d ide can 174

L74 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 25322-68-3 REGISTRY

CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN .alpha.,.omega.-Hydroxypoly(ethylene oxide)

CN .alpha.-Hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl)

CN .alpha.-Hydro-.omega.-hydroxypoly(oxyethylene)

CN 1,2-Ethanediol, homopolymer

CN 16600

CN 1660S

CN 57: PN: WO0185782 FIGURE: 18 claimed sequence

CN Alkox

CN Alkox E 100

CN Alkox E 130

CN Alkox E 160

CN Alkox E 240

CN Alkox E 30

CN Alkox E 45

CN Alkox E 60

CN Alkox E 75

CN Alkox R 1000

CN Alkox R 15

CN Alkox R 150

CN Alkox R 400

CN Alkox SR

CN Antarox E 4000

CN Aquacide III

CN Aquaaffin

CN Badimol

CN BDH 301

CN Bradsyn PEG

CN Breox 2000

CN Breox 20M

CN Breox 4000

CN Breox 550

CN Breox PEG 300

CN CAFO 154

CN Carbowax

CN Carbowax 100

CN Carbowax 1000

CN Carbowax 1350

CN Carbowax 14000

CN Carbowax 1500
 CN Carbowax 1540
 CN Carbowax 20
 CN Carbowax 200
 CN Carbowax 20000
 CN Carbowax 25000
 CN Carbowax 300
 CN Carbowax 3350
 CN Carbowax 400
 CN Carbowax 4000
 CN Carbowax 4500
 CN Carbowax 4600

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
 DISPLAY

AR 9002-90-8

DR 12676-74-3, 12770-93-3, 9081-95-2, 9085-02-3, 9085-03-4, 54510-95-1,
 125223-68-9, 54847-64-2, 59763-40-5, 64441-68-5, 64640-28-4, 133573-31-6,
 25104-58-9, 25609-81-8, 134919-43-0, 101677-86-5, 99264-61-6, 106186-24-7,
 112895-21-3, 114323-93-2, 50809-04-6, 50809-59-1, 119219-06-6, 60894-12-4,
 61840-14-0, 37361-15-2, 112384-37-9, 70926-57-7, 75285-02-8, 75285-03-9,
 77986-38-0, 150872-82-5, 154394-38-4, 79964-26-4, 80341-53-3, 85399-22-0,
 85945-29-5, 88747-22-2, 34802-42-1, 107502-63-6, 107529-96-4, 116549-90-7,
 156948-19-5, 169046-53-1, 188364-77-4, 188924-03-0, 189154-62-9,
 191743-71-2, 201163-43-1, 206357-86-0, 221638-71-7, 225502-44-3,
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MF (C2 H4 O)_n H2 O

CI PMS, COM

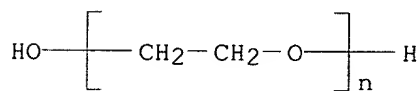
PCT Polyether

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*,
 DIOGENES, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2,
 HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC,
 PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN,
 USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)



60867 REFERENCES IN FILE CA (1967 TO DATE)

16365 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

61013 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:272351

REFERENCE 2: 136:271715

REFERENCE 3: 136:271620

REFERENCE 4: 136:270520

REFERENCE 5: 136:270416

REFERENCE 6: 136:270415

REFERENCE 7: 136:269621

REFERENCE 8: 136:268697

REFERENCE 9: 136:268653

REFERENCE 10: 136:268234

=> d ide can 175

L75 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 25322-69-4 REGISTRY

CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- (9CI)
(CA INDEX NAME)

OTHER NAMES:

CN .alpha.-Hydro-.omega.-hydroxypoly(oxypropylene)
CN 1,2-Epoxypropane polymer
CN 1,2-Propanediol, homopolymer
CN 1,2-Propylene glycol-propylene oxide polymer
CN 835E
CN Acclaim 2020
CN Acclaim 3200
CN Acclaim 8000
CN Acclaim DPP 12200
CN Actcol 51-530
CN Actcol MF 30
CN Actcol P 21
CN Actcol P 22
CN Actcol P 23
CN Actcol P 25
CN Adeka Carpol DL
CN Adeka Carpol DL 150
CN Adeka Carpol DL 80
CN Adeka Carpol M 110
CN Adeka P 1000
CN Adeka P 2000
CN Adeka P 3000
CN Adeka P 400
CN Adeka P 700
CN Alkapol PPG 4000
CN Arco R 2446
CN Arcol 1004
CN Arcol 1010
CN Arcol 1020
CN Arcol 2025
CN Arcol PPG 1025
CN Arcol PPG 2025
CN Arcol PPG 3025
CN Arcol PPG 425
CN Arcol PPG 725
CN Arcol R 1885
CN BP 18100
CN D 2000
CN D 300
CN D 400
CN D 7P
CN Desmophen 1600 U
CN Desmophen 1600U
CN Desmophen 360C
CN Desmophen L 800
CN Desmophen LP 112
CN Dianol 2210
CN Dielectrol VI
CN Diol 1000

CN Diol 2000

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

AR 25266-78-8, 25989-03-1

DR 9003-15-0, 9079-22-5, 9079-23-6, 9087-30-3, 176742-37-3, 161278-03-1,
 174206-36-1, 174722-18-0, 122392-88-5, 126906-04-5, 53528-82-8,
 53863-41-5, 54500-36-6, 124631-70-5, 125147-71-9, 130842-36-3,
 131649-30-4, 57137-06-1, 123687-98-9, 124448-74-4, 120468-96-4,
 64176-87-0, 64940-80-3, 63279-07-2, 133439-62-0, 134092-40-3, 134192-23-7,
 135355-02-1, 97199-67-2, 98444-52-1, 98913-22-5, 99130-49-1, 66988-34-9,
 105844-84-6, 51019-30-8, 51568-92-4, 51922-49-7, 119652-85-6, 115450-63-0,
 61090-28-6, 109489-48-7, 66174-27-4, 37231-68-8, 68821-81-8, 138704-46-8,
 69900-45-4, 145699-74-7, 70992-51-7, 75139-15-0, 146024-61-5, 150825-72-2,
 80408-02-2, 143710-19-4, 152287-82-6, 85497-31-0, 82548-17-2, 81774-53-0,
 81774-61-0, 84420-39-3, 84503-25-3, 87608-88-6, 87940-78-1, 88025-94-9,
 91218-84-7, 92094-60-5, 89126-79-4, 27274-27-7, 28724-27-8, 29434-03-5,
 34465-52-6, 39465-43-5, 52309-41-8, 100357-60-6, 111146-16-8, 116958-46-4,
 117968-93-1, 118441-48-8, 187954-99-0, 250380-45-1, 380912-66-3,
 380912-82-3

MF (C3 H6 O)_n H2 O

CI IDS, PMS, COM

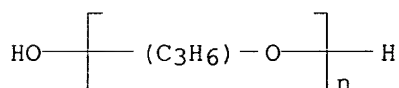
PCT Polyether

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM,
 CSNB, DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
 ENCOMPPAT, ENCOMPPAT2, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
 MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT,
 USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



10817 REFERENCES IN FILE CA (1967 TO DATE)

3962 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

10831 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:271620

REFERENCE 2: 136:268096

REFERENCE 3: 136:267913

REFERENCE 4: 136:266902

REFERENCE 5: 136:266643

REFERENCE 6: 136:265838

REFERENCE 7: 136:264262

REFERENCE 8: 136:263714

REFERENCE 9: 136:261833

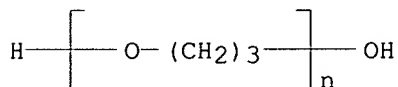
REFERENCE 10: 136:256349

=> d ide can 176 tot

L76 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2002 ACS
 RN 181946-91-8 REGISTRY
 CN Poly(oxy-1,3-propanediyl), .alpha.-hydro-.omega.-hydroxy-, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,3-propanediyl) (9CI)
 MF ((C3 H6 O)n H2 O . (C2 H4 O)n H2 O)x
 CI PMS
 PCT Polyether, Polyether formed
 SR CA
 LC STN Files: CA, CAPLUS

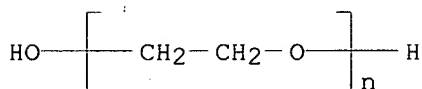
CM 1

CRN 31714-45-1
 CMF (C3 H6 O)n H2 O
 CCI PMS



CM 2

CRN 25322-68-3
 CMF (C2 H4 O)n H2 O
 CCI PMS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 125:230185

L76 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2002 ACS
 RN 126925-06-2 REGISTRY
 CN Oxirane, methyl-, polymer with oxirane, graft (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Oxirane, polymer with methyloxirane, graft (9CI)
 OTHER NAMES:
 CN Ethylene oxide-propylene oxide graft copolymer
 MF (C3 H6 O . C2 H4 O)x
 CI PMS
 PCT Polyether, Polyether formed
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 75-56-9
CMF C3 H6 O



CH₃

CM 2

CRN 75-21-8
CMF C2 H4 O



5 REFERENCES IN FILE CA (1967 TO DATE)
5 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:153933

REFERENCE 2: 128:277915

REFERENCE 3: 126:190004

REFERENCE 4: 126:132641

REFERENCE 5: 112:201916

L76 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2002 ACS

RN 125227-17-0 REGISTRY

CN Oxirane, methyl-, mixt. with oxirane (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Oxirane, mixt. contg. (9CI)

MF C3 H6 O . C2 H4 O

CI MXS

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 75-56-9
CMF C3 H6 O



CH₃

CM 2

CRN 75-21-8
CMF C2 H4 O



2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:38224

REFERENCE 2: 116:135528

L76 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2002 ACS

RN 106392-12-5 REGISTRY

CN Oxirane, methyl-, polymer with oxirane, block (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Adeka 25R1
CN Adeka 25R2
CN Adeka L 61
CN Adeka Pluronic F 108
CN Antarox 17R4
CN Antarox 25R2
CN Antarox B 25
CN Antarox F 108
CN Antarox F 68
CN Antarox F 88
CN Antarox F 88FL
CN Antarox L 61
CN Antarox L 72
CN Antarox P 104
CN Antarox P 84
CN Antarox SC 138
CN Arco Polyol R 2633
CN Arcol E 351
CN B 053
CN BASF-L 101
CN Block polyethylene-polypropylene glycol
CN Block polyoxyethylene-polyoxypropylene
CN Breox BL 19-10
CN Cirrasol ALN-WS
CN Crisvon Assistor SD 14
CN CRL 1005
CN CRL 1605
CN CRL 8131
CN CRL 8142
CN D 500
CN D 500 (polyglycol)
CN Daltocel F 460
CN Detalan
CN DO 97
CN Dowfax 30C05
CN ED 56
CN Empilan P 7068
CN Emulgen PP 230
CN EP 3028
CN Epan 485
CN Epan 710
CN Epan 785
CN Epan U 108
CN Ethylene glycol-propylene glycol block copolymer
CN Ethylene oxide-propylene oxide block copolymer
CN Ethylene oxide-propylene oxide block copolymer dipropylene glycol ether
CN Ethylene oxide-propylene oxide block polymer

CN Ethylene oxide-propylene oxide copolymer, block
CN F 108
CN F 127

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

DR 11104-97-5, 163516-02-7, 124057-62-1, 121089-00-7, 96639-37-1, 96958-14-4,
99040-06-9, 106138-19-6, 113441-83-1, 115742-90-0, 108688-61-5,
108688-62-6, 37349-41-0, 70226-19-6, 72231-62-0, 77108-15-7, 80456-04-8,
144638-32-4, 83589-65-5, 86904-45-2, 106899-85-8, 107498-07-7,
108340-62-1, 188815-93-2, 211389-05-8, 355134-17-7

MF (C3 H6 O . C2 H4 O)x

CI PMS, COM

PCT Polyether, Polyether formed

SR CA

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS,
BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN,
CSCHEM, DDFU, DIOGENES, DRUGNL, DRUGU, DRUGUPDATES, IPA, MEDLINE,
PDLCOM*, PHAR, PIRA, PROMT, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)

CM 1

CRN 75-56-9

CMF C3 H6 O



CH3

CM 2

CRN 75-21-8

CMF C2 H4 O



6266 REFERENCES IN FILE CA (1967 TO DATE)
650 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
6295 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:272133

REFERENCE 2: 136:272132

REFERENCE 3: 136:269722

REFERENCE 4: 136:268190

REFERENCE 5: 136:268134

REFERENCE 6: 136:267889

REFERENCE 7: 136:265735

REFERENCE 8: 136:264886

REFERENCE 9: 136:264872

REFERENCE 10: 136:264867

L76 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2002 ACS

RN 9003-11-6 REGISTRY

CN Oxirane, methyl-, polymer with oxirane (9CI) (CA INDEX NAME)

OTHER NAMES:

CN .alpha.-Hydro-.omega.-hydroxy-poly(oxyethylene)-poly(oxypropylene)
CN 333E
CN 50MB-26X
CN 75H380000
CN 75H90000
CN Actcol MF 12
CN Actcol MF 18
CN Actinol P 3035
CN Adeka Carpol MH 150
CN Adeka Carpol MH 500
CN Adeka Carpol PH 2000
CN Adeka CM 294
CN Adeka L 31
CN Adeka PR 3007
CN Adekanol NP 1200
CN Arlatone F 127G
CN Balab 615
CN Berol 370
CN Berol 374
CN Berol TVM 370
CN Bloatguard
CN Breox 50A1000
CN Breox 75W270
CN BSP 5000
CN Carpol 2040
CN Carpol 2050
CN CE
CN CF 0802
CN CP 2000L
CN Desmophen 7100
CN Dezemulsionat E 96
CN Disfoam CC 222
CN Dissolvan 4411
CN Emkalyx EP 64
CN Emkalyx L 101
CN Emulgen PP
CN Emulgen PP 150
CN Emulgen PP 250
CN Emulgen PP 290
CN EP 1660
CN Epan 420
CN Epan 450
CN Epan 610
CN Epan 720
CN Epan 740
CN Epan 742
CN Epan 750
CN Epan U 102
CN Epan U 103
CN Epan U 105

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY

AR 53637-25-5

DR 12676-40-3, 12772-49-5, 9003-12-7, 9009-02-3, 9009-03-4, 9009-04-5,
9009-05-6, 9009-06-7, 9010-49-5, 9010-97-3, 9015-66-1, 9050-44-6,
9061-69-2, 9067-43-0, 167267-50-7, 168018-54-0, 163032-64-2, 163063-49-8,

162627-00-1, 172306-19-3, 53637-72-2, 57971-91-2, 58968-65-3, 56730-46-2,
 57219-38-2, 57571-70-7, 124057-63-2, 59494-33-6, 59794-22-8, 60328-61-2,
 64940-96-1, 66746-25-6, 106717-66-2, 50643-24-8, 51312-31-3, 51569-27-8,
 60976-75-2, 37211-19-1, 37211-20-4, 37211-21-5, 37211-22-6, 37211-23-7,
 37211-24-8, 37221-18-4, 37265-39-7, 37307-38-3, 37331-16-1, 37331-17-2,
 37341-81-4, 70213-25-1, 72319-37-0, 73158-62-0, 70644-95-0, 71343-56-1,
 77448-18-1, 77752-09-1, 76050-76-5, 86249-84-5, 86304-35-0, 81180-56-5,
 87912-55-8, 39277-80-0, 39316-56-8, 39316-57-9, 39364-13-1, 39387-54-7,
 208342-25-0, 232598-91-3, 250780-00-8, 254903-86-1, 291775-89-8,
 374624-82-5

MF (C3 H6 O . C2 H4 O)x

CI PMS, COM

PCT Polyether, Polyether formed

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMLIST, CIN, CSCHEM, DDFU,
 DIOGENES, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2,
 IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHAR,
 PIRA, PROMT, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

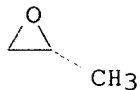
Other Sources: DSL**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 75-56-9

CMF C3 H6 O



CM 2

CRN 75-21-8

CMF C2 H4 O



7772 REFERENCES IN FILE CA (1967 TO DATE)
 2479 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 7786 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:265579

REFERENCE 2: 136:265578

REFERENCE 3: 136:264647

REFERENCE 4: 136:264602

REFERENCE 5: 136:264400

REFERENCE 6: 136:263952

REFERENCE 7: 136:263898

REFERENCE 8: 136:262287

REFERENCE 9: 136:261833

REFERENCE 10: 136:259569

=> d his

(FILE 'HOME' ENTERED AT 07:31:19 ON 24 APR 2002)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 07:31:35 ON 24 APR 2002

L1 E MOSBEY D/AU
2 S E4
E ELAN G/AU
E EIAN G/AU
L2 25 S E4-E6
E SCHOLZ M/AU
L3 230 S E3,E23,E25,E27,E29
E MALLO R/AU
L4 4 S E3,E4,E6
E LU L/AU
L5 345 S E3-E24
E LU LING/AU
L6 192 S E3-E30
E 3M/PA,CS
L7 3018 S E3,E4
L8 126 S (3 M)/PA,CS
L9 4150 S (MINN?(L)MIN?(L)MFG?)/PA,CS
L10 2981 S (MINN?(L)MIN?(L)MANUF?)/PA,CS
L11 11006 S L1-L10
L12 723 S L11 AND ?EMULS?
E EMULSION/CT
E E35+ALL
L13 35532 S E3+NT
E E24+ALL
L14 2442 S E7+NT
E E9+ALL
L15 15849 S E4+NT
L16 213 S L13-L15 AND L11
L17 723 S L12,L16
L18 6 S L17 AND (PEG OR PPG)
L19 22 S L17 AND (?ETHYLENEOXIDE? OR ?ETHYLENEGLYCOL? OR ?OXYETHYLENE?
L20 58 S L17 AND (?ETHYLENE OXIDE? OR ?ETHYLENE GLYCOL? OR POLYOXY ETH
L21 75 S L18-L20
L22 5 S L21 AND COSMETIC#/SC, SX, CW, BI
L23 162 S L17 AND ?VINYL?
L24 431 S L7 AND ?ACRYL?
L25 16 S L23,L24 AND L21
L26 7 S L25 AND ?ISOOCTYL?
L27 0 S L25 AND ?STEARYL?
L28 1 S L25 AND ?STEAR?
L29 8 S L25 NOT L26,L28
SEL RN L26

FILE 'REGISTRY' ENTERED AT 07:42:48 ON 24 APR 2002

L30 80 S E1-E80
L31 23 S L30 AND C2H4O
L32 3 S L30 AND C3H6O
L33 25 S L31,L32
L34 STR
L35 79010 S C2H4O
L36 45804 S C3H6O

L37 108520 S L35,L36
 L38 50 S L34 SAM SUB=L37
 L39 29523 S L34 FUL SUB=L37
 L40 STR L34
 L41 50 S L40 CSS SAM SUB=L39
 L42 18618 S L40 CSS FUL SUB=L39
 L43 14893 S L35 AND L42
 L44 14630 S L39 NOT L43
 L45 14 S L30 AND L39
 L46 1 S 187284-17-9
 L47 1 S 188308-96-5
 E (C2H4O)NC4H6O2/MF
 L48 5 S E3
 L49 2 S L48 AND PROPENYL
 L50 1 S 25736-86-1
 L51 1 S 29590-42-9
 L52 1 S 26403-58-7
 E C11H20O2/MF
 L53 3927 S E3
 L54 35 S L53 AND 2 PROPENOIC AND ESTER
 E STEARYL METHACRYLATE/CN
 L55 1 S E2
 L56 1 S 32360-05-7
 L57 954 S 29590-42-9/CRN
 L58 3571 S 32360-05-7/CRN
 L59 1372 S 25736-86-1/CRN
 L60 404 S 26403-58-7/CRN
 L61 8 S L57 AND L58
 L62 35 S L57 AND L59,L60
 L63 24 S L58 AND L59,L60
 L64 0 S L61 AND L62,L63
 L65 0 S L62 AND L63
 L66 1 S L61 AND 2/NC
 L67 59 S L62,L63
 L68 3 S L57 AND HOMOPOLYMER
 L69 1 S L68 AND 1/NC
 L70 14 S L58 AND HOMOPOLYMER
 L71 2 S L70 AND 1/NC
 L72 9 S L59,L60 AND HOMOPOLYMER
 L73 2 S L72 AND 1/NC
 L74 1 S 25322-68-3
 L75 1 S 25322-69-4
 L76 5 S 181946-91-8 OR 126925-06-2 OR 125227-17-0 OR 106392-12-5 OR 9
 L77 11 S L45 AND L57
 L78 0 S L45 AND L58
 L79 0 S L45 AND L59
 L80 8 S L45 AND L60
 L81 12 S L77,L80
 L82 2 S L45 NOT L81
 L83 1 S L82 NOT C6/ES
 L84 13 S L81,L83

FILE 'HCAPLUS' ENTERED AT 08:45:14 ON 24 APR 2002

L85 26 S L84
 L86 2 S L66
 L87 462 S L51 OR L69 OR L71
 L88 732 S ?ISOCTYL ACRYL?
 L89 20 S ?ISOCTYLACRYL?
 L90 1069 S L87-L89
 L91 685 S L56 OR L71
 L92 1352 S ?STEARYL METHACRYL? OR ?STEARYL METH ACRYL? OR ?STEARYLMETHAC
 L93 1715 S L91,L92
 L94 590 S L50 OR L52 OR L73

L95 15 S ?ETHYLENEGLYCOL MONOACRYL? OR ?ETHYLENEOXIDE MONOACRYL? OR ?O
L96 370 S ?ETHYLENEGLYCOL ACRYL? OR ?ETHYLENEOXIDE ACRYL? OR ?OXYETHYLE
L97 44 S ?ETHYLENEGLYCOL MONOMETHYACRYL? OR ?ETHYLENEOXIDE MONOMETHACR
L98 431 S ?ETHYLENEGLYCOL METHYACRYL? OR ?ETHYLENEOXIDE METHACRYL? OR ?
L99 122 S ?ETHYLENE GLYCOL METHYACRYL? OR ?ETHYLENE OXIDE METHACRYL?
L100 15 S ?ETHYLENE GLYCOL MONOMETHYACRYL? OR ?ETHYLENE OXIDE MONOMETHA
L101 955 S ?ETHYLENE GLYCOL ACRYL? OR ?ETHYLENE OXIDE ACRYL?
L102 309 S ?ETHYLENE GLYCOL MONOACRYL? OR ?ETHYLENE OXIDE MONOACRYL?
L103 357 S (POLYETHYLENEGLYCOL OR POLYETHYLENEOXIDE OR POLYOXYETHYLENE) (
L104 1026 S POLYETHYLENE() (GLYCOL OR OXIDE) () (METHACRL? OR MONOMETHACRYL?
L105 139 S POLY()ETHYLENE() (GLYCOL OR OXIDE) () (METHACRL? OR MONOMETHACRY
L106 3 S POLY() (ETHYLENEGLYCOL OR ETHYLENEOXIDE) () (METHACRL? OR MONOME
L107 35 S BLEMMER PE 200
L108 1 S BLEMMER PE200
L109 2808 S L94-L108
L110 326 S L90 AND L93
L111 2 S L110 AND L109
L112 11 S L110 AND L74,L75,L76
L113 40 S L85,L86,L111,L112
L114 7 S L113 AND ?EMULS?
L115 1 S L113 AND L13-L15
L116 7 S L114,L115
L117 528 S L11 AND L85,L86,L90,L93,L109
L118 6 S L117 AND L13-L15
L119 50 S L117 AND ?EMULS?
L120 45 S L113,L116,L118
L121 12 S L119 AND L120
L122 38 S L119 NOT L120,L121
L123 4 S L122 AND L74,L75,L76
L124 49 S L120,L121,L123
L125 16 S L124 AND ?EMULS?
L126 16 S L125 AND L1-L29,L85-L125
L127 2 S L126 AND (RADIATION/SC OR WOOD)
L128 14 S L126 NOT L127
L129 33 S L124 NOT L125-L128
L130 24 S L129 NOT (63 OR 38)/SC
L131 7 S L130 AND (37 OR 35 OR 5)/SC
SEL DN 3 6
L132 2 S E1-E2
L133 16 S L128,L132
L134 9 S L129 NOT L130
L135 25 S L133,L134 AND L1-L29,L85-L134
L136 25 S L135 AND (?ACRYL? OR ?OXYALKYLENE? OR ?ETHYLENEOXIDE? OR ?ETH
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 09:10:27 ON 24 APR 2002

L137 22 S E3-E24
L138 29509 S L39 NOT L137

FILE 'HCAPLUS' ENTERED AT 09:12:20 ON 24 APR 2002

L139 13 S L138 AND L136
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 09:12:49 ON 24 APR 2002

L140 54 S E25-E93 NOT L137

FILE 'HCA, HCAPLUS' ENTERED AT 09:13:52 ON 24 APR 2002

FILE 'HCAPLUS' ENTERED AT 09:14:12 ON 24 APR 2002

L141 25 S L136,L139

FILE 'REGISTRY' ENTERED AT 09:14:49 ON 24 APR 2002

FILE 'HCAPLUS' ENTERED AT 09:15:08 ON 24 APR 2002

FILE 'REGISTRY' ENTERED AT 09:16:30 ON 24 APR 2002

L142 2 S L51 OR L69
L143 3 S L56 OR L71
L144 4 S L50 OR L52 OR L73

=> d ide can l145

L145 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 18472-51-0 REGISTRY

CN D-Gluconic acid, compd. with N,N''-bis(4-chlorophenyl)-3,12-diimino-
2,4,11,13-tetraazatetradecanediimidamide (2:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2,4,11,13-Tetraazatetradecanediimidamide, N,N''-bis(4-chlorophenyl)-3,12-
diimino-, di-D-gluconate (9CI)

CN Biguanide, 1,1'-hexamethylenebis[5-(p-chlorophenyl)-, di-D-gluconate (8CI)

CN D-Gluconic acid, compd. with 1,1'-hexamethylenebis[5-(p-
chlorophenyl)biguanide] (2:1) (6CI)

CN Gluconic acid, compd. with 1,1'-hexamethylenebis[5-(p-
chlorophenyl)biguanide] (2:1), D- (8CI)

OTHER NAMES:

CN 1,1'-Hexamethylenebis[5-(p-chlorophenyl)biguanide] digluconate

CN 1,6-Bis(4-chlorophenyldiguanino)hexane digluconate

CN 1,6-Bis(p-chlorophenyldiguanido)hexane digluconate

CN 1,6-Bis[N5-(p-chlorophenyl)biguanido]hexane digluconate

CN 4-Chlorhexidine digluconate

CN Abacil

CN Arlacide G

CN Betasept

CN Bis(p-chlorophenyl)diguanidohexane digluconate

CN Chlorhexidine bigluconate

CN Chlorhexidine di-D-gluconate

CN Chlorhexidine digluconate

CN **Chlorhexidine gluconate**

CN Corsodyl

CN Disteryl

CN Hexidine

CN Hibiscrub

CN Hibisol

CN Hibistat

CN Hibitane

CN Hibitane 5

CN Manusan

CN Maskin

CN Maskin R

CN Peridex

CN Peridex (antiseptic)

CN Septeal

CN SY 1007

FS STEREOSEARCH

DR 12068-31-4, 14007-07-9, 124973-71-3, 60042-57-1, 60404-86-6, 21293-24-3,
23289-58-9, 105791-72-8, 51365-13-0, 150621-85-5, 151498-43-0, 82432-16-4,
40330-16-3, 52196-45-9, 52387-19-6, 227749-99-7, 230296-52-3

MF C22 H30 Cl2 N10 . 2 C6 H12 O7

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CBNB, CHEMCATS, CHEMLIST,
CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT,
IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHARMASEARCH, PIRA,
PROMT, RTECS*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)

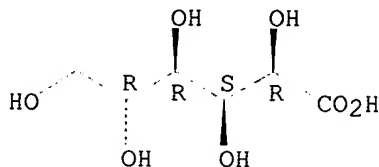
Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

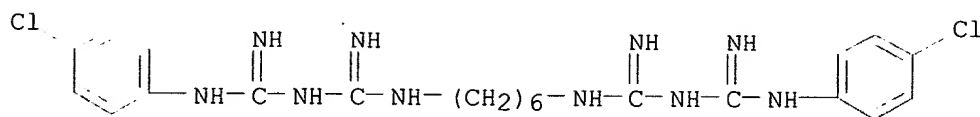
CRN 526-95-4
CMF C6 H12 O7

Absolute stereochemistry.



CM 2

CRN 55-56-1
CMF C22 H30 Cl2 N10



1352 REFERENCES IN FILE CA (1967 TO DATE)
18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1353 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:268048
REFERENCE 2: 136:267980
REFERENCE 3: 136:252270
REFERENCE 4: 136:236885
REFERENCE 5: 136:228052
REFERENCE 6: 136:226356
REFERENCE 7: 136:189428
REFERENCE 8: 136:189387
REFERENCE 9: 136:177424
REFERENCE 10: 136:167821

=> d ide can 1146

L146 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 55-56-1 REGISTRY

CN 2,4,11,13-Tetraazatetradecanediimide, N,N''-bis(4-chlorophenyl)-3,12-diimino- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Biguanide, 1,1'-hexamethylenebis[5-(p-chlorophenyl)- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 1,1'-Hexamethylenebis[5-(p-chlorophenyl)biguanide]

CN 1,6-Bis[5-(p-chlorophenyl)biguanidino]hexane

CN 1,6-Di(N-p-chlorophenylbiguanidino)hexane

CN Chlorhexidine

CN Chlorohex

CN Chlorohexidine

CN Eludril

CN Fimeil

CN Hexadol

CN Nolvasan

CN Promax

CN Rotersept

CN Soretol

CN Sterilon

CN Tubulicid

FS 3D CONCORD

DR 111883-36-4, 328933-19-3

MF C22 H30 Cl2 N10

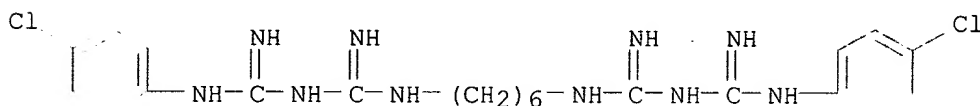
CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHAR, PHARMASEARCH, PIRA, PROMT, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL, VETU

(*File contains numerically searchable property data)

Other Sources: EINECS**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1454 REFERENCES IN FILE CA (1967 TO DATE)

92 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1457 REFERENCES IN FILE CAPLUS (1967 TO DATE)

29 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:268059

REFERENCE 2: 136:267887

REFERENCE 3: 136:248990

REFERENCE 4: 136:228052

REFERENCE 5: 136:226722

REFERENCE 6: 136:221531

REFERENCE 7: 136:213088

REFERENCE 8: 136:205474

REFERENCE 9: 136:205222

REFERENCE 10: 136:194203

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 09:25:49 ON 24 APR 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 24 Apr 2002 VOL 136 ISS 17

FILE LAST UPDATED: 22 Apr 2002 (20020422/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> d bib abs hitstr tot 1162

L162 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2002 ACS

AN 2002:142560 HCAPLUS

DN 136:205474

TI Coating compositions for delivering a medicament from the surface of a medical device

IN Chudzik, Stephen J.; Everson, Terrence P.; Amos, Richard A.

PA Surmodics, Inc., USA

SO PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2002013871 | A2 | 20020221 | WO 2001-US41309 | 20010709 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2002041899 | A1 | 20020411 | US 2001-901425 | 20010709 |
| PRAI US 2000-225465P | P | 20000815 | | |

AB A coating compn., in both its uncrosslinked and crosslinked forms, for use in delivering a medicament from the surface of a medical device positioned in vivo is disclosed. Once crosslinked, the coating compn. provides a gel

matrix adapted to contain the medicament in a form that permits the medicament to be released from the matrix in a prolonged, controlled, predictable and effective manner in vivo. A compn. includes a polyether monomer, such as an alkoxy poly(alkylene glycol), a carboxylic acid-contg. monomer, such as (meth)acrylic acid, a photoderivatized monomer, and a hydrophilic monomer such as acrylamide.

Acrylamide-methacrylic acid-methoxy polyethylene

glycol monomethacrylate-N-[3-(4-benzoylbenzamido)propyl]

methacrylamide copolymer was prepd. (I). Stainless steel rods (2 cm) were dipped in a soln. of 50 mg/mL I in isopropanol, air dried, subjected to UV light. The coated rods were incubated in a soln. of 100 mg/mL **chlorhexidine** diacetate for 30 min. at room temp. Release of **chlorhexidine** from rods was measured by placing the rod on agar surface that was incubated with *Staphylococcus epidermidis*.

IT 400723-71-9P 400723-72-0P

RL: DEV (Device component use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(coating compns. for delivering medicament from surface of medical device)

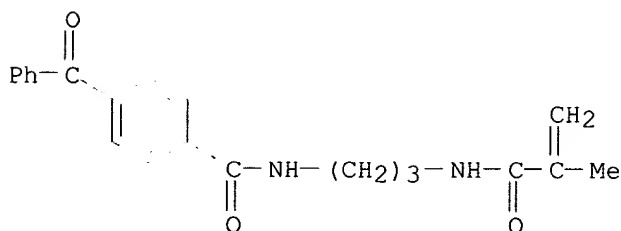
RN 400723-71-9 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 4-benzoyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]benzamide, .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) and 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 165391-55-9

CMF C21 H22 N2 O3

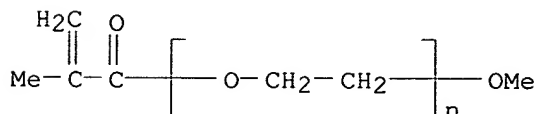


CM 2

CRN 26915-72-0

CMF (C2 H4 O)_n C5 H8 O2

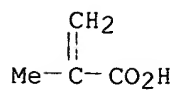
CCI PMS



CM 3

CRN 79-41-4

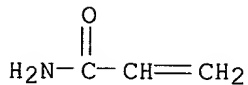
CMF C4 H6 O2



CM 4

CRN 79-06-1

CMF C3 H5 N O



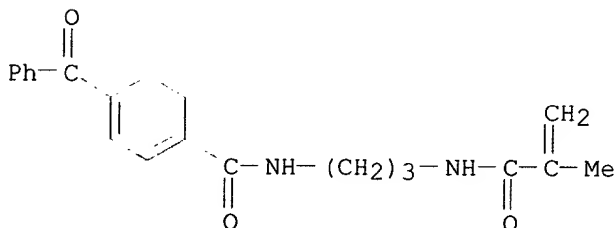
RN 400723-72-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 4-benzoyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]benzamide and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 165391-55-9

CMF C21 H22 N2 O3

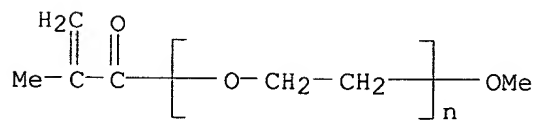


CM 2

CRN 26915-72-0

CMF (C2 H4 O)_n C5 H8 O2

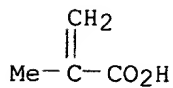
CCI PMS



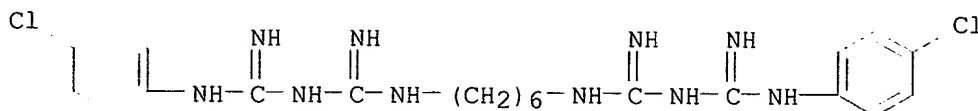
CM 3

CRN 79-41-4

CMF C4 H6 O2



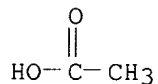
IT 55-56-1, Chlorhexidine 56-95-1,
 Chlorhexidine diacetate
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (coating compns. for delivering medicament from surface of medical
 device)
 RN 55-56-1 HCAPLUS
 CN 2,4,11,13-Tetraazatetradecanediimidamide, N,N''-bis(4-chlorophenyl)-3,12-
 diimino- (9CI) (CA INDEX NAME)



RN 56-95-1 HCAPLUS
 CN 2,4,11,13-Tetraazatetradecanediimidamide, N,N''-bis(4-chlorophenyl)-3,12-
 diimino-, diacetate (9CI) (CA INDEX NAME)

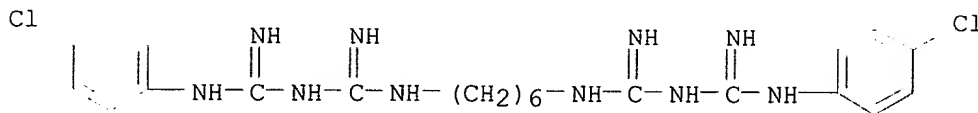
CM 1

CRN 64-19-7
 CMF C2 H4 O2



CM 2

CRN 55-56-1
 CMF C22 H30 Cl2 N10



L162 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:693027 HCAPLUS

DN 135:262325

TI Medical dressings with multiple adhesives and methods of manufacturing
 IN Blatchford, Todd A.; Heinecke, Steven B.; Lucast, Donald H.; Peterson,
 Donald G.

PA 3M Innovative Properties Company, USA

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | WO 2001068021 | A1 | 20010920 | WO 2000-US26090 | 20000925 |

W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,

CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI,
 GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
 KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,
 MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM,
 TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,
 RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2001051178 A1 20011213 US 2001-840405 20010423

PRAI US 2000-524139 A 20000310

AB Medical dressings are disclosed that include multiple exposed pressure sensitive adhesives. One of the pressure sensitive adhesives includes a bioactive agent and is substantially contact transparent. In some embodiments, all of the adhesives are substantially contact transparent. Also provided are methods of manufg. the medical dressings. By providing multiple exposed pressure sensitive adhesives, the pressure sensitive adhesive formulations can be varied to provide desired properties in different areas of the dressing. A pressure sensitive adhesive that exhibits relatively high tack to skin may be provided around the periphery of the dressing while a pressure sensitive adhesive incorporating a bioactive agent is provided in the center of the dressing. A antimicrobial microsphere adhesive was prep'd. by mixing: **isooctyl acrylate**, N-vinylpyrrolidone, PEG **acrylate**, PVP, glycerol, and 20% soln. of **chlorhexidine gluconate**.

IT 162735-65-1

RL: DEV (Device component use); FMU (Formation, unclassified); PEP (Physical, engineering or chemical process); POF (Polymer in formulation); THU (Therapeutic use); BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process); USES (Uses)
 (medical dressings with multiple adhesives)

RN 162735-65-1 HCAPLUS

CN 2-Propenoic acid, isooctyl ester, polymer with 1-ethenyl-2-pyrrolidinone and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

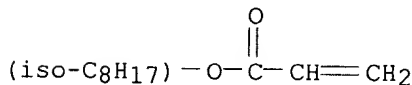
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

CDES 8:ID,ISO

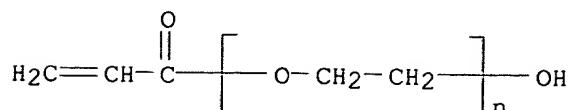


CM 2

CRN 26403-58-7

CMF (C2 H4 O)n C3 H4 O2

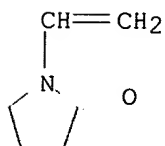
CCI PMS



CM 3

CRN 88-12-0

CMF C6 H9 N O



IT 18472-51-0, Chlorhexidine gluconate

RL: DEV (Device component use); MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); POF (Polymer in formulation); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(medical dressings with multiple adhesives)

RN 18472-51-0 HCAPLUS

CN D-Gluconic acid, compd. with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide (2:1) (9CI) (CA INDEX NAME)

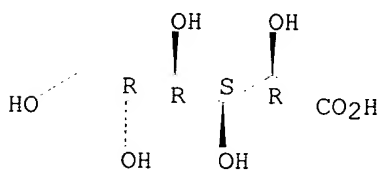
CM 1

CRN 526-95-4

CMF C6 H12 O7

CDES 5:D-GLUCO

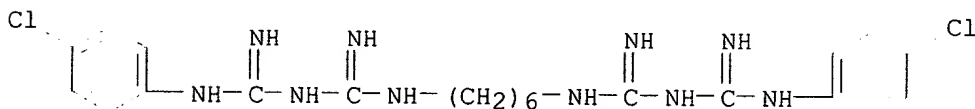
Absolute stereochemistry.



CM 2

CRN 55-56-1

CMF C22 H30 Cl2 N10



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L162 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:790249 HCAPLUS

DN 133:351001

TI Infection-resistant polymers, their preparation, and uses in medical devices

IN Luthra, Ajay Kumar; Sandhu, Shivpal Singh

PA Biointeractions Ltd., UK

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | WO 2000065915 | A1 | 20001109 | WO 2000-GB1644 | 20000428 |
| | W: AU, CA, JP, NO, US | | | | |
| | RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | GB 2349644 | A1 | 20001108 | GB 1999-10042 | 19990501 |
| | EP 1175148 | A1 | 20020130 | EP 2000-925500 | 20000428 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | | |

PRAI GB 1999-10042 A 19990501

WO 2000-GB1644 W 20000428

AB A family of infection-resistant and biocidal polymeric materials incorporates an infection-resistant biguanide, such as **chlorhexidine** or polyhexanide, pendant to the polymer chain, chem. linked to the polymer through the biguanide group secondary nitrogen atoms. Such polymeric materials are useful in manuf. of medical devices, such as contact lenses.

IT 269068-90-8DP, Butyl methacrylate-methacrylic

acid-polyethylene glycol methyl ether

methacrylate graft copolymer, reaction products with polyhexanide

306272-21-9DP, Butyl methacrylate-ethylene

oxide-methacrylic acid graft copolymer methyl ether,

reaction products with polyhexanide

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(infection-resistant polymers, their prepn., and uses in medical devices)

RN 269068-90-8 HCAPLUS

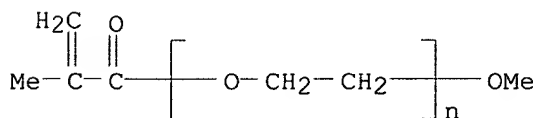
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-methoxypoly(oxy-1,2-ethanediyl), graft (9CI) (CA INDEX NAME)

CM 1

CRN 26915-72-0

CMF (C2 H4 O)_n C5 H8 O2

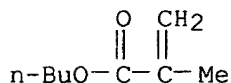
CCI PMS



CM 2

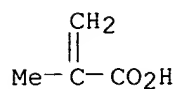
CRN 97-88-1

CMF C8 H14 O2



CM 3

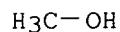
CRN 79-41-4
CMF C4 H6 O2



RN 306272-21-9 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate and oxirane, methyl ether, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1
CMF C H4 O

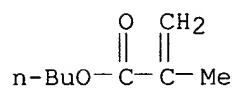


CM 2

CRN 269068-93-1
CMF (C8 H14 O2 . C4 H6 O2 . C2 H4 O)x
CCI PMS
CDES 8:PM,GRAFT

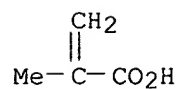
CM 3

CRN 97-88-1
CMF C8 H14 O2



CM 4

CRN 79-41-4
CMF C4 H6 O2

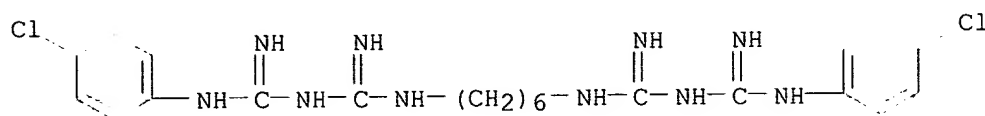


CM 5

CRN 75-21-8
CMF C2 H4 O



IT 55-56-1, Chlorohexidine
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (infection-resistant polymers, their prepn., and uses in medical devices)
 RN 55-56-1 HCAPLUS
 CN 2,4,11,13-Tetraazatetradecanediimidamide, N,N''-bis(4-chlorophenyl)-3,12-diimino- (9CI) (CA INDEX NAME)



RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L162 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2002 ACS

AN 1996:422549 HCAPLUS

DN 125:67870

TI Wound dressing tapes with improved moisture vapor permeability

IN Delgado, Joachim; Goetz, Richard J.; Silver, Spencer F.; Lucast, Donald H.

PA Minnesota Mining and Mfg. Co., USA

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 9614094 | A1 | 19960517 | WO 1995-US12193 | 19950925 |
| W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT | | | | |
| RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| US 5614310 | A | 19970325 | US 1994-334683 | 19941104 |
| CA 2202264 | AA | 19960517 | CA 1995-2202264 | 19950925 |
| AU 9535963 | A1 | 19960531 | AU 1995-35963 | 19950925 |
| AU 685321 | B2 | 19980115 | | |
| EP 789596 | A1 | 19970820 | EP 1995-933211 | 19950925 |
| R: DE, ES, FR, GB, IT | | | | |
| CN 1162268 | A | 19971015 | CN 1995-196042 | 19950925 |
| BR 9509599 | A | 19980106 | BR 1995-9599 | 19950925 |
| JP 10508520 | T2 | 19980825 | JP 1995-515292 | 19950925 |
| US 5908693 | A | 19990601 | US 1996-760592 | 19961204 |
| PRAI US 1994-334683 | | 19941104 | | |
| WO 1995-US12193 | | 19950925 | | |

AB A wound dressing tape comprises a moisture-vapor permeable polyurethane backing and a contiguous particulate adhesive layer consisting of tacky, substantially solvent-insol., solvent-dispersible, **acrylate**-based, elastomeric, pressure-sensitive adhesive microspheres. The adhesive may optionally be impregnated with an antimicrobial agent and a transfer agent wherein the transfer agent is effective for allowing migration of the antimicrobial agent from the interior of the adhesive layer to the surface of the adhesive layer in contact with the wound.

Isooctyl acrylate-N-vinylpyrrolidone-
polyethylene oxide acrylate (90:5:5) copolymer
 was prepd. as an adhesive and **chlorhexidine gluconate**
 and glycerol (as a transfer agent) were added to the adhesive. The
 product was tested for adhesion strength and log bacteria redn.

IT 178491-98-0 178491-99-1

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (adhesive; wound dressing tapes comprising **polyacrylate**
 microspheres and polyurethane backing with improved moisture/vapor
 permeability)

RN 178491-98-0 HCAPLUS

CN 2-Propenoic acid, polymer with isooctyl 2-propenoate and oxirane (9CI)
 (CA INDEX NAME)

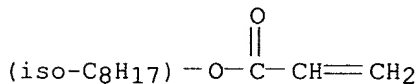
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

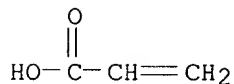
CDES 8:ID, ISO



CM 2

CRN 79-10-7

CMF C3 H4 O2



CM 3

CRN 75-21-8

CMF C2 H4 O



RN 178491-99-1 HCAPLUS

CN 2-Propenoic acid, polymer with 1-ethenyl-2-pyrrolidinone, isooctyl
 2-propenoate and oxirane (9CI) (CA INDEX NAME)

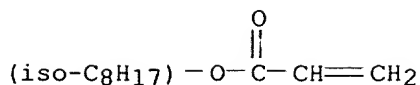
CM 1

CRN 29590-42-9

CMF C11 H20 O2

CCI IDS

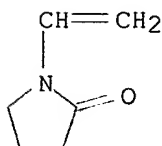
CDES 8:ID, ISO



CM 2

CRN 88-12-0

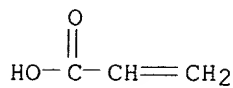
CMF C6 H9 N O



CM 3

CRN 79-10-7

CMF C3 H4 O2



CM 4

CRN 75-21-8

CMF C2 H4 O



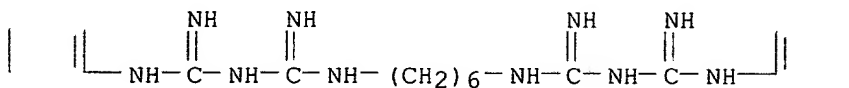
IT 55-56-1, Chlorhexidine 18472-51-0,
Chlorhexidine gluconate

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antimicrobial agent; wound dressing tapes comprising
polyacrylate microspheres and polyurethane backing with
improved moisture/vapor permeability)

RN 55-56-1 HCAPLUS

CN 2,4,11,13-Tetraazatetradecanediimidamide, N,N''-bis(4-chlorophenyl)-3,12-
diimino- (9CI) (CA INDEX NAME)

Cl



Cl

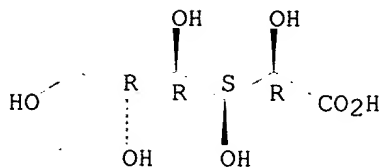
RN 18472-51-0 HCAPLUS

CN D-Gluconic acid, compd. with N,N''-bis(4-chlorophenyl)-3,12-diimino-
2,4,11,13-tetraazatetradecanediimidamide (2:1) (9CI) (CA INDEX NAME)

CM 1

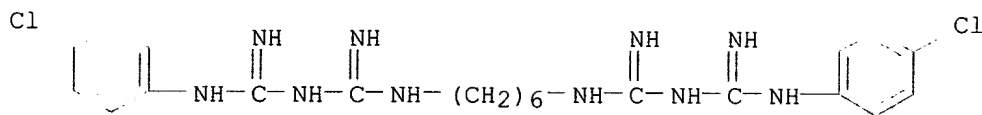
CRN 526-95-4
 CMF C6 H12 O7
 CDES 5:D-GLUCO

Absolute stereochemistry.



CM 2

CRN 55-56-1
 CMF C22 H30 Cl2 N10



L162 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2002 ACS

AN 1993:678771 HCAPLUS

DN 119:278771

TI Petrolatum-free topical aromatic-releasing compositions for relief of
 symptoms of the common cold or other disorders

IN Hughes, Timothy John; Deckner, George Endel

PA Vicks, Richardson, Inc., USA

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

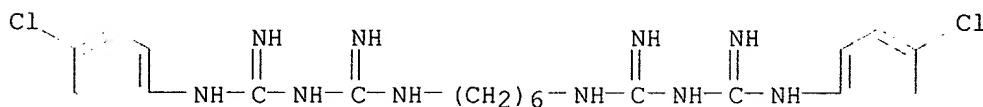
DT Patent

LA English

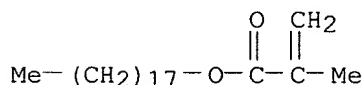
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | WO 9317655 | A1 | 19930916 | WO 1993-US1520 | 19930222 |
| | W: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG | | | | |
| | US 5322689 | A | 19940621 | US 1992-850328 | 19920310 |
| | AU 9337271 | A1 | 19931005 | AU 1993-37271 | 19930222 |
| | AU 668142 | B2 | 19960426 | | |
| | JP 07504657 | T2 | 19950525 | JP 1993-515711 | 19930222 |
| | HU 68561 | A2 | 19950628 | HU 1994-2591 | 19930222 |
| | EP 727978 | A1 | 19960828 | EP 1993-906110 | 19930222 |
| | EP 727978 | B1 | 20020109 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE | | | | |
| | PL 172276 | B1 | 19970829 | PL 1993-305109 | 19930222 |
| | CZ 283027 | B6 | 19971217 | CZ 1994-2205 | 19930222 |
| | CA 2130464 | C | 19990202 | CA 1993-2130464 | 19930222 |
| | RU 2125870 | C1 | 19990210 | RU 1994-40855 | 19930222 |
| | AT 211642 | E | 20020115 | AT 1993-906110 | 19930222 |

BR 9301118 A 19930914 BR 1993-1118 19930309
 CN 1079896 A 19931229 CN 1993-104041 19930310
 CN 1058150 B 20001108
 NO 9403314 A 19941109 NO 1994-3314 19940908
 FI 9404168 A 19940909 FI 1994-4168 19940909
 PRAI US 1992-850328 A 19920310
 WO 1993-US1520 A 19930222
 AB The compns. of the invention are substantially free from petrolatum and contain .gtoreq.1 of menthol, camphor, and eucalyptus oil. The compns. are topical oil-in-water emulsions which include an **acrylic acid-acrylic** ester copolymer. The compns. may further contain antimicrobials, wound-healing agents, vitamins, etc. Formulations are included which are useful for topical application to provide relief from cough, cold, cold-like, and/or flu symptoms.
 IT **55-56-1, Chlorhexidine**
 RL: BIOL (Biological study)
 (in topical arom.-releasing petrolatum-free pharmaceutical emulsion contg. menthol and/or camphor and/or eucalyptus oil)
 RN 55-56-1 HCAPLUS
 CN 2,4,11,13-Tetraazatetradecanediimidamide, N,N''-bis(4-chlorophenyl)-3,12-diimino- (9CI) (CA INDEX NAME)



IT **32360-05-7D**, polymers with allyl sucrose and **acrylic acid**
 RL: BIOL (Biological study)
 (in topical arom.-releasing petrolatum-free pharmaceutical emulsion contg. menthol and/or camphor and/or eucalyptus oil, for treatment of symptoms of common cold or other respiratory disorder)
 RN 32360-05-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, octadecyl ester (9CI) (CA INDEX NAME)



L162 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2002 ACS

AN 1986:193220 HCAPLUS

DN 104:193220

TI Film-forming composition containing an antimicrobial agent

IN Dell, John D.; Andrus, Milton H., Jr.

PA **Minnesota Mining and Mfg. Co. , USA**

SO Eur. Pat. Appl., 28 pp.

CODEN: EPXXDW

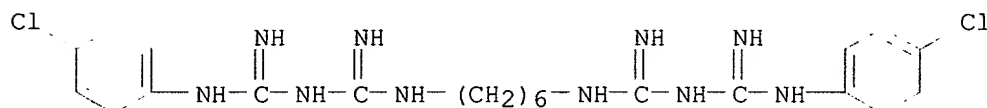
DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------------------------|------|----------|-----------------|----------|
| PI | EP 164999 | A2 | 19851218 | EP 1985-303937 | 19850604 |
| | EP 164999 | A3 | 19870513 | | |
| | EP 164999 | B1 | 19900816 | | |
| | R: CH, DE, FR, GB, IT, LI, SE | | | | |
| | US 4584192 | A | 19860422 | US 1984-617255 | 19840604 |

ZA 8503799 A 19870128 ZA 1985-3799 19850520
 CA 1254141 A1 19890516 CA 1985-482133 19850523
 AU 8543241 A1 19851212 AU 1985-43241 19850603
 AU 583273 B2 19890427
 JP 61002862 A2 19860108 JP 1985-121371 19850604
 JP 06022558 B4 19940330
 PRAI US 1984-617255 19840604
 AB A fluid-resistant, nontacky, clear, flexible copolymer film adheres to the skin and releases an antimicrobial agent to the skin for control of infection and promotion of healing in surgical and other wounds. The copolymer consists of 3 basic monomers: a C2-14-alkyl **acrylate** or a C7-18-alkyl **methacrylate** 15-80%, a C1-6-alkyl **methacrylate** 20-70%, and an N-vinyllactam 1-15%. Thus, an **isooctyl acrylate-Me methacrylate** -N-vinylpyrrolidone copolymer incorporated I and NaI dissolved in EtOH, was of good tensile strength, was tack-free, had good skin adherence, was dermatol. acceptable, and inhibited (when contg. the I materials) *Staphylococcus aureus* growth.
 IT 55-56-1
 RL: BIOL (Biological study)
 (polymeric films contg., for promotion of wound healing)
 RN 55-56-1 HCAPLUS
 CN 2,4,11,13-Tetraazatetradecanediimidamide, N,N''-bis(4-chlorophenyl)-3,12-diimino- (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 07:31:19 ON 24 APR 2002)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 07:31:35 ON 24 APR 2002

L1 2 S E4
 E ELAN G/AU
 E EIAN G/AU
 L2 25 S E4-E6
 E SCHOLZ M/AU
 L3 230 S E3,E23,E25,E27,E29
 E MALLO R/AU
 L4 4 S E3,E4,E6
 E LU L/AU
 L5 345 S E3-E24
 E LU LING/AU
 L6 192 S E3-E30
 E 3M/PA,CS
 L7 3018 S E3,E4
 L8 126 S (3 M)/PA,CS
 L9 4150 S (MINN?(L)MIN?(L)MFG?)/PA,CS
 L10 2981 S (MINN?(L)MIN?(L)MANUF?)/PA,CS
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 L12 723 S L11 AND ?EMULS?
 E EMULSION/CT
 E E35+ALL
 L13 35532 S E3+NT

L14 2442 S E7+NT
 E E9+ALL
L15 15849 S E4+NT
L16 213 S L13-L15 AND L11
L17 723 S L12,L16
L18 6 S L17 AND (PEG OR PPG)
L19 22 S L17 AND (?ETHYLENEOXIDE? OR ?ETHYLENEGLYCOL? OR ?OXYETHYLENE?
L20 58 S L17 AND (?ETHYLENE OXIDE? OR ?ETHYLENE GLYCOL? OR POLYOXY ETH
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L22 5 S L21 AND COSMETIC#/SC,SX,CW,BI
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L24 431 S L7 AND ?ACRYL?
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L26 7 S L25 AND ?ISOOCTYL?
L27 0 S L25 AND ?STEARYL?
L28 1 S L25 AND ?STEAR?
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 SEL RN L26

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 E C11H20O2/MF
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L54 35 S L53 AND 2 PROPENOIC AND ESTER
 E STEARYL METHARCYLATE/CN
L55 1 S E2
L56 1 S 32360-05-7
L57 954 S 29590-42-9/CRN
L58 3571 S 32360-05-7/CRN
L59 1372 S 25736-86-1/CRN
L60 404 S 26403-58-7/CRN
L61 8 S L57 AND L58
L62 35 S L57 AND L59,L60
L63 24 S L58 AND L59,L60
L64 0 S L61 AND L62,L63
L65 0 S L62 AND L63
L66 1 S L61 AND 2/NC
L67 59 S L62,L63
L68 3 S L57 AND HOMOPOLYMER

L69 1 S L68 AND 1/NC
L70 14 S L58 AND HOMOPOLYMER
L71 2 S L70 AND 1/NC
L72 9 S L59,L60 AND HOMOPOLYMER
L73 2 S L72 AND 1/NC
L74 1 S 25322-68-3
L75 1 S 25322-69-4
L76 5 S 181946-91-8 OR 126925-06-2 OR 125227-17-0 OR 106392-12-5 OR 9
L77 11 S L45 AND L57
L78 0 S L45 AND L58
L79 0 S L45 AND L59
L80 8 S L45 AND L60
L81 12 S L77,L80
L82 2 S L45 NOT L81
L83 1 S L82 NOT C6/ES
L84 13 S L81,L83

FILE 'HCAPLUS' ENTERED AT 08:45:14 ON 24 APR 2002

L85 26 S L84
L86 2 S L66
L87 462 S L51 OR L69 OR L71
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L89 20 S ?ISOOCTYLACRYL?
L90 1069 S L87-L89
L91 685 S L56 OR L71
L92 1352 S ?STEARYL METHACRYL? OR ?STEARYL METH ACRYL? OR ?STEARYLMETHAC
L93 1715 S L91,L92
L94 590 S L50 OR L52 OR L73
L95 15 S ?ETHYLENEGLYCOL MONOACRYL? OR ?ETHYLENEOXIDE MONOACRYL? OR ?O
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L104 1026 S POLYETHYLENE() (GLYCOL OR OXIDE) () (METHACRL? OR MONOMETHACRYL?
L105 139 S POLY()ETHYLENE() (GLYCOL OR OXIDE) () (METHACRL? OR MONOMETHACRY
L106 3 S POLY() (ETHYLENEGLYCOL OR ETHYLENEOXIDE) () (METHACRL? OR MONOME
L107 35 S BLEMMER PE 200
L108 1 S BLEMMER PE200
L109 2808 S L94-L108
L110 326 S L90 AND L93
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L112 11 S L110 AND L74,L75,L76
L113 40 S L85,L86,L111,L112
L114 7 S L113 AND ?EMULS?
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L116 7 S L114,L115
L117 528 S L11 AND L85,L86,L90,L93,L109
L118 6 S L117 AND L13-L15
L119 50 S L117 AND ?EMULS?
L120 45 S L113,L116,L118
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L123 4 S L122 AND L74,L75,L76
L124 49 S L120,L121,L123
L125 16 S L124 AND ?EMULS?
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L130 24 S L129 NOT (63 OR 38)/SC
L131 7 S L130 AND (37 OR 35 OR 5)/SC
SEL DN 3 6
L132 2 S E1-E2
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FILE 'REGISTRY' ENTERED AT 09:10:27 ON 24 APR 2002

L137 22 S E3-E24
L138 29509 S L39 NOT L137

FILE 'HCAPLUS' ENTERED AT 09:12:20 ON 24 APR 2002

L139 13 S L138 AND L136
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 09:12:49 ON 24 APR 2002

L140 54 S E25-E93 NOT L137

FILE 'HCA, HCAPLUS' ENTERED AT 09:13:52 ON 24 APR 2002

FILE 'HCAPLUS' ENTERED AT 09:14:12 ON 24 APR 2002

L141 25 S L136,L139

FILE 'REGISTRY' ENTERED AT 09:14:49 ON 24 APR 2002

FILE 'HCAPLUS' ENTERED AT 09:15:08 ON 24 APR 2002

FILE 'REGISTRY' ENTERED AT 09:16:30 ON 24 APR 2002

L142 2 S L51 OR L69
L143 3 S L56 OR L71
L144 4 S L50 OR L52 OR L73
E CHLORHEXIDINE GLUCONATE/CN
L145 1 S E3
L146 1 S 55-56-1
L147 283 S 55-56-1/CRN
L148 282 S L147 NOT L145

FILE 'HCAPLUS' ENTERED AT 09:19:07 ON 24 APR 2002

L149 1387 S L145
L150 1457 S L146
L151 993 S L148
L152 791 S CHLORHEXIDINE GLUCONATE
L153 481 S CHLORHEXIDINE DIGLUCONATE
L154 25 S CHLORHEXIDINE BIGLUCONATE
L155 8 S L149-L154 AND L85,L86,L90,L93,L109
L156 8 S L1-L29,L85-L136,L139,L141 AND L155
L157 6 S L156 NOT 4/SC,SX
L158 5 S L157 AND CHLORHEXIDIN?
L159 6 S L157,L158
L160 6 S L159 AND (?ACRYL? OR ?OXYALKYLENE? OR ?ETHYLENEOXIDE? OR ?ETH
L161 4 S L160 AND L39,L84
L162 6 S L160,L161

FILE 'REGISTRY' ENTERED AT 09:25:31 ON 24 APR 2002

FILE 'HCAPLUS' ENTERED AT 09:25:49 ON 24 APR 2002